je Klining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

COMMERCIAL RAILWAY LONDON, SATURDAY, JANUARY 23, 1858. No. 1170 -Vol. XXVIII.] No. 1, FINCH LANE, LONDON (established 14 years), TRANSACTS every kind of BUSINESS in MINING SHARES, but, not beling a baller, TRANSACTS every kind of BUSINESS in MINING SHARES, but, not beling a baller, TRANSACTS every kind of BUSINESS in MINING SHARES, but, not beling a baller, TRANSACTS every kind of BUSINESS in MINING SHARES, but, not beling a baller, Surpose by the second property of buyers to the following maines, in connection yith their late and present prices. Such an opportunity as the present time presents for investing in CHEAP SHARES probably never occurred, and may be long before twill occur sqain:

DIVIDEND MINES.

Last dividend,

Former price. Present. Blamonthly or quarterly.

Providence. \$95 \$70 \$4 0 0

West Basset \$50 \$26 0 10 0

North Basset \$50 \$26 0 10 0

North Basset \$50 \$26 0 10 0

Wheal Basset \$30 150 4 0 0

United \$30 150 4 0 0

Wheal Basset \$30 150 4 0 0

Trincroft. \$5 34 0 5 0

Wheal Buller \$50 280 7 10 0

St. Day United \$4 1 0 1 0

Far Consols \$23 184 9 10 0

Wheal Margaret 70 \$0 2 0 0

Ding Dong \$454 1 1 0 0

Former price. Present. Be O B G E N O O R E, OROWN COURT, THREADNEELLE STREET.

GEORGE MOORE WILL SELL the following SHARES, or any part, at quoted prices, PREE OF ANY COMMISSION:

DIVIDEND.

Alfred Consols.

30 Drake Walls, £1%.
5 Herodafoot, £8%.
5 North Basset, £13%.
5 North Boskeser, £23.
5 No last Russell
ireat Wheal Alfred
freat Hewas
Freat Busy
North Frances M ESSRS. J. J. REYNOLDS AND SON,
No. 1, ROYAL EXCHANGE BUILDINGS, LONDON, E.C., ENGLISH
AND POREIGN STOCK, RAILWAY, AND MINING SHAREBROKERS, beg to
inform their friends and the public that the present time is a PAVOURABLE OPPORTUNITY for INVESTMENT in many undertakings of a substantial character,
paying dividends worthy the attention of the capitalist.

Every information can be obtained at their offices, which their practical experience
enables them to give, not only of mines and other properties of established value, but
of those that are not. MR. JAMES LANE, No. 29, THREADNEEDLE STREET, MINING INVESTMENT.

MESSRS. POWELL AND COOKE,

5, HERCULES CHAMBERS, OLD BROAD STREET, LONDON.

After the long depression that has existed, we feel much pleasure in noticing a better tone in the Mining Market. Several good mince that have declined in price, owing to the cause named (while their prospects have much improved), will advance very considerably during the coming three months. And we are of opinion that an investment in the following mines will prove highly remunerative. The annexed table will show the highest prices statianed during the past year, and the present market value of the shares named:

Highest price. Present.

Wheal Edward £ 10½ £7½ 7½ Virturus Lady and — £1 1½

Vale of Towy. 21s. 16s. ½

East Wheal Russell. — 2½ 3 Wheal Basket. 270 160 170

East Wheal Russell. — 2½ 3 Wheal Basket. 270 160 170

East Wheal Russell. — 2½ 3 South Frances 360 190 200

Great Hewas. 1½ ½ 1 Wheal Kitty (Leiant). 23 11½ 12

Wh. Kitty (St. Agnes) 8 3½ 4

Calstock Consols. 6½ 5 5½

Tinnorft. 5½ 3½ 4

Great Wheal Busy 7½ 64 6½ Pac Consols. 3 18 19

North Frances. 22 10½ 11½ East Falmouth — 4½ 5

Hingston Down Cons. — 3½ 3½

Forkellis United. 10½ 5 5½

North Wheal Robert. 4 2½ 2½

Wheal Margery. 14 7½ 8

North Mesal Affred. 16 4½ 4½ Verey Mesal Margery. 14 7½ 8

An salvance of £5 per ton has taken place in English tin, and it is not improbable that a further rise will shortly take place both in this and other metals.

Mesars. Pownet. and Cooke will be happy to afford information (to those requiring it) as to the mines which offer the greatest chance of success; and will transact any business entrusted to them at nett prices, or on commission of 2½ per cent.

P.S. Some of the above pay from 15 to 20 per cent. per annum.

Dated Jan. 23, 1858. SALE, DIVIDEND

Consols. 1 Mary Ann. 1
5 Par Consols. 1
1 Frovidence. 1
1 South Tolgus. 1
1 South Frances. 1 MINING INVESTMENT. M I N E S:—

1 Wheal Margaret.
5 Wheal Kitty (Lelant).
5 Weet Basset.
2 Wheal Trelawny.
1 Wheal Buller.
1 West Seton. OR S 5 Alfred Consols.
10 Bryntail.
5 Ding Dong.
1 Condurrow.
10 Fowey Consols.
5 Great South Tolgus.
5 Herodsfoot. 5 Tincroft. 15 Vale of Towy. NON-DIVIDEND, 20 Zion. 5 Wheal Margery. 3 South Basset. 10 Carvannall, 20 Zion. 5 South Carn Brea.
1 Cargoll. 5 Wheal Margery. 5 Tolyadden.
10 Harriett. 3 South Basset. 15 Wheal Grenville.
The above are for IMMEDIATE DELIVERY, if required; PRICES will be furished to purchasers upon a personal or written application, and the shares transshed to purchasers upon a personal or written application, and the shares trans-tred FREE OF COMMISSION.

Oply to Jas. B. Barnonlut, Dealer in Mining Shares, 11, Royal Exchange, London M.R. PETER WATSON HAS RETURNED FROM CORNWALL, 57, THREADNEEDLE STREET, LONDON, E.C. PETER WATSON (13 years' experience), MINING BROKER, STOCK and SHARE DEALER, will EXECUTE all OBDERS entrusted to his are with punctuality. Commission, 2½ per cent, on all transactions. Bankers: Union Bank of London.

57, Threadneedle-street, London, E.C. MR. LELEAN recommends the following SHARES at market prices, and capitalists will do well to BUY a few in each, as they are sure of a good profit within three months from this date:—Providence, Margaret, Kitty, Doicoath, Lady Berths, Par Consols, Botaliack, Carnyorth, Boacean, Ding Dong, Margery, North Levant, Trelyon, St. Ive's Consols, Bell and Lanarth, Lovel, Reeth, East Providence, Mary Ann, Trelawny, Balnoon, Wheal Wrey, West Fower, Tolvadden, East Margaret, East Falmouth; all the above are good shares, and well managed. Mr. Leizan has instructions to SELL any reasonable number, at the market price.

4. Cushion-court, Old Broad-street, E.C. | Tames | Tame JAMES HERRON has FOR SALE the following SHARES, at the prices quoted, and FREE OF COMMISSION:

10 Boiling Well, 28s. 9d.
25 Cath. and Jane, 7s. 9d., 1 (Kelly Bray, 32s. 9d.
20 Cath. emptyon, 241.
20 Chancellorsville, 2s. 3d.
30 College Mines, 3s. 3d.
20 North Tarleawny.
30 College Mines, 3s. 3d.
20 North Tarleawny.
30 Porth Castell.
20 East Tamar.
20 East Trefusis, 244.
4 Forest.
5 Great Alfred.
15 Grenville.
20 Great Hewas, 19s. 9d.
450 Gred Hewas, 19s. 9d.
451 Charles Mining Market is feeling the effect of the rapid increase of capital seeking investment. Within the last three weeks, Trelawnys were only £23, now £25; Mary Ann £35, now £47; Margaret £42, now £46; 10 Wheal Margary, £9 % Wheal Margary, £7 % wheal Margary, £7 % wheal Margary, £7 % wheal Margary, £7 % % % Wheal Margary, £7 % % Wheal Margary, £7 % % % Wheal Margar TO CAPITALISTS .- RELIABLE INFORMATION may be obtained on application to the undersigned, in respect of MISCELLANEOUS ECURITIES generally. BANKS, INSURANCE SHARES, LAND COMPANIES, MINES (British and Foreign), RAILWAYS, FOREIGN STOCKS, and the PUBLIC UNDS BOUGHT and SOLD at the closest market prices, and at moderate commission. References given and required. JOHN BATTERS, Stock and Sharebroker. 26, Throgmorton-street, London, E.C. MR. JOSIAH HUGO HITCHINS (Consulting Mining Engineer to the Devon Great Consols) informs his friends and capitalists generally that is PRESENT ARRANGEMENTS will enable him to AFFORD GREATER PACI-ITY and ADVANTAGE of CONSULTATION on the eligibility and value of MIN-MG INVESTMENTS.

Mr. J. H. HITCHINS will provide correct plans and sections for valuable reference; maure inspections and reports by the best informed, most experienced, and disinter, section agents, and will always, when practicable, perform such responsible duties immelf. 1 Levant.
2 Providence.
20 Wheal Kitty.
10 Linares.
5 Carnyorth. sted agents, and will always, when practicable, perform such responsible duties himself.

Mr. J. H. Hirchins will visit the mines of Devon and Cornwall, the North of England, Ireland, and Wales, to collect the most trustworthy information and opinions at their general working, state, prospects, and value.

Mr. J. H. Hirchins values his reputation as the projector, and having been for many years the chief superintendent of those wonderful mines, the Devon Great Consols, and others of great importance; and presumes that the valuable experience equired and matured by him during his well-known successful development of them will guarantee the best advice to capitalists in their investments, both in dividend mines, and those capable of the greatest and earliest success.

Mr. J. H. Hirchins will offer his that advice and assistance to the projectors of law undertakings of good promise and probable value, and to existing companies, in effecting the best improvements in the underground and surface departments, the machinery, means, appliances, and management generally, of their mines.

Mr. J. H. Hirchins has no hesistation in asying that mines, judiciously selected, and effectively worked with sound practical Judgment and economy, prove very protable investments.—Taxistock, Jan. 29, 1858.

ESSRS, VIVIAN AND REYNOLDS, MINE AGENTS.

68, OLD BROAD STREET, LONDON, E.C.

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become plentiful, as shown by the great reduction which has already taken place in the rate of discount in the Bank of England, and the still further reduction contemplated. And the downward tendency in the price of metals has not only been arrested, but, as the drop was the result entirely of the financial pressure, it is anticipated, as a fair inference, that mining produce will soon again command a higher value. The present period is, therefore, a particularly favourable one for investing in mines, as there are several causes tending to advance the value of mining property, and there seems at present every probability that the commencement of the year 1835 is the beginning of a prosperous mining era, in which those capitalists who invest in sound mining undertakings, selected by agents that are practically acquainted with the localities, and with those features in mines which constitute the elements of success, will meet with rich prizes.

JAMES H. COCK, MINE SHAREBROKER, GENERAL COMMISSION AGENT, AND ACCOUNTANT, REDRUTH, CORNWALL. J. H. Cock embraces the present opportunity of thanking his friends and the public generally for the amount of confidence and support he has received from them during the past year, and hopes by continued energy, promptness, and strict attention to all business entrusted to his care, to merit a continuance of the same.

Mines inspected and reported on, and every information furnished.

Mines inspected and reported on, and every information turnished.

MESSRS. A. J. HUTCHINGS AND CO.'S
PATENT IMPROVED WIRE ROPE.

LORDS OF THE ADMIRALTY, THE FRENCH AND TURKISH GOVERNMENTS,
And the principal Colliery Proprietors throughout the kingdom.

MANUFACTORY, MILL WALL, POPLAR, LONDON.

ROUND and FLAT ROPES of every description, suitable for mining operations
or other purposes, GALVANISED, MANUFACTURED upon
the newest and most improved machinery, ensuring greater pliability, durability, and
strength; and is admitted by the principal coal proprietors to be far superior to any
other kind of wire rope. The superiority of these ropes over hempen ones, in point
of strength; lightness, durability, and soct, its admitted by all who have tried them.

GUIDE ROPES, SIGNAL CORD, LIGHTNING CONDUCTORS, &c.

MR. T. P. THOMAS, MINING AUCTIONEER, 2, CROWN COURT, THREADNEEDLE STREET, LONDON.

STAMPED ... SIXPENCE, UNSTAMPED .. FIVEPENCE

MR. JOHN R. PIKE, MINING AND SHAREBROKER, 3, PINNER'S COURT, OLD BROAD STREET, LONDON.

WILLIAM MARLBOROUGH, MINING AGENT, (For many years with Mr. T. P. Thomas), 57, OLD BROAD STREET, LONDON.

MR. WILLIAM MOORE, STOCK AND SHAREDEALER,
11, HERCULES CHAMBERS, OLD BROAD STREET.
N.B. Business transacted in every description of stock and shares.

M. R. W. H. BRUMBY, STOCK AND SHAREBROKER, 1, QUIET STREET, BATH, is in a position to give the BEST ADVICE in the SELECTION and PURCHASE of DIVIDEND and PROGRESSIVE MINES.

JOHN GLEDHILL AND CO., MINE AGENTS, SHARE BROKERS, AND GENERAL DEALERS.

MINING RECORDS OFFICE, 12, SOUTH PARADE, LEEDS.

Mines well selected are the best investments, paying from 15 to 30 percent on the outlay. They have to OFFER SHARES in most of the DIVIDEND and PROGRESSIVE MINES, and are ready to give every information relative to all mining matters.—Dated Jan. 15, 1858.

MR. FRANCIS R. BILL, CONTRACTORS' AND GENERAL ACCOUNTANT AND AUDITOR.

32, BUCKLERSBURY, LONDON, E.C.
CONTRACTOR for the SUPPLY OF RAILWAY MATERIALS of every description. Estimates prepared. Agencies undertaken. ACCOUNTANTSHIP BUSINESS of all kinds performed under contract, whereby a considerable saving on the usual cost may be effected.

MR. R. LINTHORNE, ENGLISH AND FOREIGN MINING AGENT, 3, ADAM'S COURT, OLD BROAD STREET, LONDON.
BUSINESS TRANSACTED in all ENGLISH and FOREIGN MINES, and other SCURITIES, on the usual terms of commission. Information afforded in respect to Dividend-paying and Progressive Mines.

MR. PALMER, NORTH DERBYSHIRE MINERAL RECORD OPFICE, MARKET HALL BUILDINGS, CHESTERFIELD, DEALER IN ALL DESCRIPTIONS OF MINING SHARES AND STOCKS. Several Derbyshire mines now offer great advantages to investore.

R. J. T. KEVERN'S MINING, LOAN, AND DISCOUNT OFFICES, PENZANCE (Established 1845). Bankers (from 1833)—Messess. Batten, Carne, and Carne.

Bankers (from 1838)—Messes. Batten, Carne, and Carne.

N. H. HUXHAM, "COLLIERY VIEWER AND MINING ENGINEER, UNDERTAKES the SURVEYING, VALUING, or AGENCY of MINERAL PROPERTIES, the WINNING, WORKING, or VIEWING of COLLIERIES, &co., on moderate terms; and begs to assure those who may favour him with their commands that all business cattrasted to his charge shall receive prompt attention, and be executed with the utmost fidelity and care. References and testimonials of the highest character.

Mr. H. HUXHAM has room for TWO ADDITIONAL ARTICLED PUPILS, who would have an excellent opportunity of attaining a thorough knowledge of practical and theoretical mining engineering.—Cwm Rhomdds, Pont-y-pridd.

M. WILLIAM BIRDSEY, of No. 4, ST. MICHAEL'S ALLEY, CORNHILL, having had 30 years' experience as a MINING BROKER, can with the greatest confidence recommend from ten to fifteen mines (both dividend and progressive), which he considers during the PRESENT YARR will well repsy the outlay. The depression which has existed during the last eight months is now happily over, and any purchases to be made, the sooner done the better for profitable results. Mr. Bradsky will be happy to give every information, on application being made to the above address.

the above address.

Mr. Bindsey is a BUYER of Pendeen Consols, any number, at market price.

M. BRADEY is a BUYER of Feduce Consols, any number, at market pirce.

M. R. WILLIAM MICHELL, MINING SHAREDEALER AND COMMISSION AGENT, 3, AUSTINFRIARS, LONDON, E.C.
For the unexpected amount of support W. MICHELL has hitherto received from his friends and the public, he need hardly assure them of his grateful acknowledgments. He would now recommend those who have spare capital to lose no time in allowing him to make a judicious selection of a few mines for investment, as there is no doubt that mining shares will follow the reaction that has taken place in all other stocks and securities, and that great profits may be quickly realised.

W. MICHELL has had 25 years' practical experience in the various branches of mining; and by making periodical inspections of mines in Devon and Cornwall, is better able to make a selection of those mines most likely to give the greatest amount of profit for the smallest outlay.—Jan. 23, 1888.

NORTH WHEAL WREY CONSOLS.—WANTED, FIVE HUNDRED SHARES in this MINE.—Address, stating lowest price and number of shares, until Wednesday next, to "H. V.," Post-office, Liskeard.

Jan. 20, 1858.

WEST END MINE AND QUARRY OFFICES, 5, WATERLOO PLACE, PALL MALL.

MESSRS. BRUNTON AND CO., ENGINEERS AND MINERAL SURVEYORS, undertake the MANAGEMENT and WORKING OF MINES, QUARRIES, &c., and CONDUCT the LONDON AGENCY of all MINERAL PROPERTIES in their offices with system, economy, and regularity.

Messrs. BRUNTON and Co. beg to inform proprietors of mines, &c., that the business of these properties is carried on in their office upon the following principles, viz.:—Accounts systematically and closely made up.

Statements in detail, and clear summaries of finance and expenditure. Entire and impartial openness of books, reports, and documents, to all shareholders, for perusal or extract. Immediate communication of any important occurrence to the shareholders. Immediate communication of any important occurrence to the shareholders. MINERAL PROPERTIES SURVEYED, and ESTIMATES OF MACHINERY, PLANT, and COSTS OF WORKING FURNISHED.

ESSRS. FULLER AND CO., 51, THREADNEEDLE STREET, LONDON, continue to TRANSACT BUSINESS in BANKING, MINING, and KAILWAY SHARES, many of which will pay 20 per cent., with every prospec-of increasing considerably in value.

Since calling attention to a few mines, the following rise in value has taken place:

—Craddock Moor, £30 to £40, being £10,550; Calstock Comols, £3½ to £6½, or £19,850; East Wheal Rassell, 10s. to £3 or £10,000; Wheal Edward £4 to £7, or £19,850; East Wheal Rassell, 10s. to £3 or £10,000; Wheal Edward £4 to £7, or £10,000; Wheal £4,000; £10,000; Wheal £4,000; £10,000; £10,000; £10,000; Wheal £4,000; £10,000; £10,000; Wheal £4,000; £10,000; £10,000; £10,000; £10,000; £10,000; £10,000; £10,000; £10,000; £10,000; £10,000; £10,0

\$12,888; East Wheal Russell, 10s. to £3, or £10,000; Wheal Edward, £4 to £7, or £12,144: total increase in value, £45,582, and still rising.

Meesrs. Fuller and Co, have FOE SallE Dividend Shares, much below their real value, and must increase in price; also, a few shares conducted on the Limited Lishlity Act, which in a short time will become a safe dividend property; also, Shares in the leading Banks, and £2000 Railway Bonds.

Every information afforded at the office, between Ten and Five. Communications promptly attended to.

L EAD FOR EXPORTATION.—PIG-LEAD (hard and soft)

SOLD at LOW RATES. The BEST PRICE given for LEAD ASHES, &c.,
and OLD LEAD.—ROUPELL and Co., Southwark Lead Works, Gravel-lane, London.

NICKEL AND COBALT REFINING, AND GERMAN SILVER
WORKS, 16, OOZELL STREET NORTH, BIRMINGHAM.
STEPHEN BARKER begs to inform the Trade that he has the following articles

REFINED METALLIC NICKEL. | OXIDE OF COBALT. | WIRE, &c. REFINED METALLIC BISMUTH. | GERMAN SILVER—IN INGOTS, SHEET,

NICKEL AND COBALT ORES PURCHASED.

THE MIDLAND IRON COMPANY, ROTHERHAM, YORK-SHIRE, MANUFACTURERS OF RAILWAY TYRES AND AXLES FOR LOCOMOTIVE ENGINES, CARRIAGE AND WAGON WHEELS. From the tests to which this iron has been submitted by engineers and railway companies during several years, its superior quality has been generally acknowledged, and can be un-

EAST WHEAL RUSSELL.

ALFRED CONSOLS.

PECIAL REPORTS on the above MINES, by eminent practical authorities, will appear in Mr. MURCHISON'S REVIEW, NOW READY, price one Shilling, at 117, Bishopagate-street Within, London.

table investments,-Taviste	ock, Jan. 22, 1858.	id economy, prove very
R. E. GOM 100 Gawton. 20 Great Alfred, £4. 25 Wheal Edward, £74. 25 Pendeen, £3. 2 Buller.	PERSISA 200 Sortridge, 28s. 6d. 50 Lady Bertha, 20s. 50 East Russell, £2%. 1 Rosewarne. 20 Zion.	BUYER OI 2 Wh. Margaret, £42 3 Hingston Down, £ 50 Harriett, 6s. 100 W. Grenville, 4s. 3 50 Bedford Consols.
And is a SELLER of— 25 Drake Walls, 25 Kelly Bray, 10 Cal-tock Consols, 25%. 3, Crown-court, Thread:	30 East Russell, £2%. 3 East Wheal Rose. 20 Ludcott. needle-street.	20 Pendeen, £3¼. 5 Gonamena. 1 South Frances.

CAPT. THOMAS DUNN, of TAVISTOCK, undertaken to INSPECT REPORT, and SURVEY any MINES OF MINERAL PROPERTY in ENGLAND, RELAND, SCOTLAND, or WALES. No objection to take the management of any mine or mines in the neighbourhood of Tavistock.

Hany mine of mines in the neighbourhood of Tavistock.

E N R Y G O U L D

BRITISH AND FOREIGN STOCK AND SHAREDEALER,
32, POULTRY, LONDON, E.C.

Hy. Gould Share will be happy to receive any buying of selling orders. Brokers, significantly and others, residing in the mining districts of Devon, Cornwall, and lisewhere, will find a ready market, on sending positive instructions to buy or to sell. Hy. Gould Share offers his services to parties having spare capital to invest. He receives early information from the mining districts relative to all improvements in he mines, &c., consequently can give good advice as to the safest investments.

SHARES WANTED at nett prices:

30 Bull. & Bass. Uni., & 5.6. 100 Lady Berths, 20a, 20 Fendeen, £3 is. 3d. 60 East W. Russell, £2½. 10 North Levant, £33, 20 Virtuous Lady, 20s. 20 Fendeen, £3 is. 3d. 60 East Caradon.

20 Pednean-drea, 9s. 20 Pednean-drea, 9s. 20 Tincroft, £33.

Every information given, personally or by letter, on application to Mr. Henry Bould Sharp, Mining Sharebroker.—Mining Offices, 32, Poultry, London, E.C. Bankers: London and Westminster Bank, Lothbury.

R. GEORGE BUDGE, of 4, BIRCHIN LANE, CORNHILL, 100 Gawton, 16s. 200 West Granville, 4s. 4d. 10 Aifred Consols. 200 Worth Frances, \$12. 20 West Bargery, \$29\\(\)_6. 3 Wheal Margaret, \$249. 100 Wheal Edward. 20 Timeroft, \$24. 249. 100 Wheal Edward. 20 Timeroft, \$24. 249. 100 Wheal Margery, \$29\\(\)_6. 3 W

MEMS, OF MINES AND MINERS,-No. XXVII.

Mr. Parry (Porkellis Moor).—If long experience in the situation of purser and manager of a mine be any criterion by which to judge of the fitness to undertake such a task, few who fill that difficult and honourable office are better adapted; but independent of this acknowledged grand qualification, there must be a natural adaptation to the business; a peculiar and happy knack of being all things to all men; to be positive where necessary; to be lenient where such treatment will suit—a fitness that can be easily understood, but with difficulty described; the French would say, jo me sais que. This peculiar faculty Mr. Parry possesses in a high can be easily understood, but with difficulty described; the French would say, je no sais quo. This peculiar faculty Mr. Parry possesses in a high degree, and a rare qualification it is, probably accounting in a great measure for that success he has uniformly achieved in every charge he has undertaken, and is the great secret of that charm by which he enlists the sympathies and affections of all those with whom he comes in contact. The reason we have headed our memoir with the name of one mine only is for the sake of brevity. Mr. Parry fills the post of purser and secretary in several other mines, his regular business habits and singularly methodical arrangements enabling him to get through more business than half a dozen persons who are not such strict disciplinarians and experienced executives. Mr. Parry, though not a Cornishman, has so identified and so thoroughly persons who are not such strict disciplinarians and experienced executives.

Mr. Parry, though not a Cornishman, has so identified and so thoroughly imbued himself with the intuitive feelings of this peculiar race, that he might absolutely pass for one, and not be detected. If kindness of heart, genuine hospitality, and sterling worth, entitle any person to respect, the subject of our paper must at all times command it from all sorts of persons. He is one of that class it delights a stranger to meet, an acquaintance to associate with, and a friend to unbosom to, resting assured his heart is in his hand, and his word is his deed. Higher attributes than these we can expectly chronicle. Mr. Parry is distinguished as an asture heart is in his hand, and his word is his deed. Higher attributes than these we can scarcely chronicle. Mr. Parry is distinguished as an astute scholar, as an orator of great capacity, and as an historian of great research; no wonder, then, that he is highly and justly esteemed in the circle of which he is the cynosure. We have met Mr. Parry again and again with infinite pleasure, each occasion doubling, if possible, the delight experienced at the former. We wish him many years continued success, and that his talents may be long available in that vocation whereunto he has been called, and for which he is so eminently qualified.

Mr. WILLIAM KEMPTHORNE (St. Ives) presents an instance of one of cose fortunate speculators who seldom venture in any but prosperous uncertakings. By well considering the subject, making due enquiry, and sking sound advice, he avoids the numerous ruinous speculations many rank, bealdong adventurers frequently rush into. By nature cautious, Mr. Kempthorne carries this quality into full force in his every-day transactions. Descended from a noble family, and having received a liberal education and a moderate patrimony, Mr. Kempthorne, as one of the St. Ives corporation, pursues the "even tenor of his way," delighting in collecting and preserving everything he observes rare in nature or art, and has been rewarded in his mining pursuits by being a holder in the great Providence Tin and other successful mines in his neighbourhood.

Providence Tin and other successful mines in his neighbourhood.

Capt. MICHAEL MARTYN (Great Wheal Vor).—The name of Martyn is so associated with great mines, that the very sound of the dissylable makes a person listen, and enquire which Martyn? The Christian name solves the doubt. Capt. Will and Capt. Michael have a fame world-wide—the one as once captain of the mighty Treavean, and the other as that of captain of the stupendous undertaking already implied. To have been selected to fill so arduous a duty is a compliment that could have been accorded to but few, as few could be found who would have undertaken so Herculean a task. How that task has been executed is not for us to say: "Ask Fame, and she will tell you." With the cost or expenses of the mine we opine Capt. Martyn has nothing to do; of that we know little, and, therefore, pass on to what we do know—his ability as a miner; that, we believe, has nover been called into question. He seems to have panented freely of that "gift" so largely vouchasfed to his patronimic, a monument of which stands in the manner in which the works at Great Wheal Vor have been carried out. That the costs may have exceeded his estimates is probable, but that is no argument against his abilities, as it was utterly impossible for him or other mortal to foresee what would be required for so tremendous an undertaking. We are surprised that it has been carried out so successfully as far as it has; it could only have resulted from a firm determination to overcome every obstacle, and trample on overy difficulty. With such spirit as this, what may not be accomplished? It is this very principle that has carried the Cornish miner so frequently to his goal of triumphant success, to which we sincerely hope and trust our hero is at present hastening. Capt. Martyn rejoices in an extensive connection in the county of Cornwall, his high position commanding that respect to which he is so justly entitled, and which he never oversteps by display or egotism, in itself a rare quality. We wish Capt Capt. MICHABL MARTYN (Great Wheal Vor) .- The name of Martyn is

Mr. Bennstr Johns (Wendron).—Who that has been at Wendron has not heard of, and enjoyed the kind hospitality, the agreeable society, and sparkling wit of the subject of our memoir? We venture to answer our not heard of, and enjoyed the kind hospitality, the agreeable society, and sparkling wit of the subject of our memoir? We venture to answer our own question—Not one. His name is known to all the country round as the prince of good fellows, and a kind, good-hearted neighbour. High as these encomiums may be supposed, they are no more than the just due of the individual, as will be responded to by hundreds who will peruse this article. Living in the midst of mines and miners, Mr. Johns naturally imbibed the taste for such pursuits, adventured a little, and, we are glad to say, that little well. Irrespective of his connection with mining as a business, his continual association with captains, miners, and his knowledge of the subject, would fully entitle his name to a place in our brief memoirs. As "mine host" of the village, he has long been distinguished for his liberality; as a farmer, for his ability; and in every relation of life for his candour and uprightness of conduct. Respected by his superiors, beloved by his equals, and looked up to by his inferiors, Bennett Johns has obtained a local fame, which nothing but a life spent as his has been could ever procure, and which a kingdom could not purchase.

Capt. William Hollow (Lelant).—If long experience and practical

been could ever procure, and which a kingdom could not purchase.

Capt. William Hollow (Lelant).—If long experience and practical mining entitle any opinion to respect and attention, Mr. Hollow certainly has had no more than his share of patronage, large as that has been. Accustomed in early life to hard work and all the stern necessities of a working miner's life, his path to eminence has been strewn with anything but roses. Perhaps few men of the present day are so well acquainted with the details of mining in all its phases. Capt. Hollow worked for some years as a tin streamer, by which practice he necessarily was exposed to considerable hardships; underground, as a tributer, he was successful, until at last he was called upon to exercise his talents (now ripened to perfection) as an agent, in which capacity he so distinguished himself as to obtain the entire confidence, not only of his employers, but of the lords of the manor themselves, being elected "toller," or scrutineer, for several of the most woulthy families in the county, a much higher tribute to his abilities and rectitude than any meed of compliment or praise we can offer. of the most wealthy families in the county, a much higher tribute to his abilities and rectitude than any meed of compliment or praise we can offer. Declining years, however, have compelled him to relinquish some of the more arduous parts of his duties, the earnings of a regular and well-spent life enabling him to do so with comfort and ease. In the bosom of his family this old gentleman enjoys the society of his friends, and dispenses his information (highly valuable) and his hospitality with equal grace and generosity; it is, indeed, a rare treat to spend an evening with this worthy, who is the realisation of the fine old English gentleman. Capt. Hollow, seeing from experience the necessity for practical knowledge, has brought up his family in the same stern school in which he was educated—the only way to become practical miners. The seed being properly sown has produced its fruit, two of them being captains of mines—one at the Providence Mine, and another at the Trencomb Mine. Another son, who was brought up to the laborious occupation of a smith, stands at the head of his profession in that department. Well may the old gentleman be proud of his family, and they of him, who has set such "precept and example, too." Long may he be continued to them as their decise set tutamen.

Mr. Stephen Sylvester (Helston) is a well-known and extensive mine

Long may he be continued to them as their decus et tutamen.

Mr. Strehen Stivester (Helston) is a well-known and extensive mine adventurer, holding shares in some capital mines. Mr. Sylvester is the only surviving son of the late John Sylvester, Esq., J.P., who has been the subject of a previous memoir. This gentleman was the purser of the Great Wheal Vor, Great Work, and other mines, and was distinguished for his great abilities and business habits, as well as for his generous hospitality, at his decease leaving a handsome fortune to his family, enabling the subject of our present memoir to enjoy himself in the manly sports of the field and the flood, without the harassing turnoil of business to perplex him. These he in his youth followed with an ardour amounting to devotion; declining years, however, prevent their full enjoyment, for which he compensates by enjoying the society of his friends, to their great gratification and his real delight. The father's spirit of mining adventure has descended to the son, as well as his success. We wish him long life to enjoy them both, and in this feeling we know we enlist the sympathies of all his sequeintance. to enjoy them both, and of all his acquaintance.

Original Corresunubeute.

REDUCTION OF MANGANESE.

SIR,-In your Journal of Jan. 9, in an article on the iron and steel inventors, it is suggested that what "has been described as metallic manganese, until very recently, was, in fact, carburet of manganese." I wish to state my reasons for doubting this suggestion. I cannot at this moment lay my hand on any work that details the process by which the metallic manganese was reduced from the oxide, but it is impossible to suppose that the descriptions of manganese given by the earlier chemists were fictious, and that they merely painted from imagination a substance which they had not seen. Indeed, I have no doubt that some correspondent, having ready access to the foreign journals of chemistry, could easily furnish you with the manipulations by which this metal used to be obtained. I happen to have just met with a work published in Paris, in 1814, by Simon Morelot, a man of some authority in that day, and professor in several colleges. He thus, very literally translated, describes the metal in question:—"Manganese is an oxidisable, brittle metal, of a brilliant white fracture, but susceptible of easily tarnishing in the air. It offers to the eye a grained appearance; the grain is unequal and irregular, and the adhesion of its molecules is such that it is more difficultly broken under the hammer than iron; but its tendency to combine with oxygen state my reasons for doubting this suggestion. I cannot at this moment white fracture, but susceptible of easily tarnishing in the air. At our to the eye a grained appearance; the grain is unequal and irregular, and the adhesion of its molecules is such that it is more difficultly broken under the hammer than iron; but its tendency to combine with oxygen is so strong that it very soon is converted into black oxide, and all the oxidated surfaces become friable, and do not resist even simple pressure between the fingers. The specific gravity of manganese is 6:850. The best method of preserving it in a metallic state is to keep it in distilled water." Of course, it would have been more satisfactory had the method of obtaining the substance so described been added, but we are hardly at liberty to suppose the detail imaginary. Now, with respect to the carburet of manganese.

of obtaining the substance so described been added, but we are hardly at liberty to suppose the detail imaginary. Now, with respect to the carburet of manganese.

Mr. Heath, who, if I rightly remember, could not trace any mention of this carburet earlier than 1825, kept as a curious record the first lump of carburet of manganese he succeeded in manufacturing. He showed me one-half of this regulus, about 2 lbs. weight, in 1850, it having been then in existence more than 18 years. So far from there being any oxidation of the fracture, it would have required some care to preserve so entirely untarnished, for so many years, a piece of white iron or finers' metal. The fracture in appearance was something between the two, modified by the characteristic which Prof. Morelot attributes to the pure metal—"an unequal and irregular grain." It was a most substantial and permanent piece of metal, and, no doubt, still exists equally unoxidised in the care of his plundered widow and executrix—that victim to what the Lord Justice Knight Bruce so frequently and so appropriately terms the "solemn follies of our courts of justice."

At any rate, you will admit these two descriptions cannot indicate the same form of the metal. It would, therefore, give us valuable information to transcribe into your Journal some of the processee by which the first substance was obtained. Recent correspondents who allege they have found cheap methods of making metallic manganese, are, of course, not expected to disclose details on which they desire to trade: all that is required is a trustworthy account of what has been previously done. What can Dr. Percy tell us on the question? He is quite capable of determining facts which involve very simple details indeed, compared with the many complicated metallurgic researches in which he is engaged.

EXTRACTION OF GOLD.

EXTRACTION OF GOLD.

Jan. 20.

EXTRACTION OF GOLD.

Siz,—Prof. Platiner, of Freiberg, was the original discoverer of the ingenious idea of extracting the gold by chlorine. The object of this method was to obtain the gold from the speise and minerals consisting of sulphides and arsenides. The stuff to be treated must be free from metallic iron, nor oxides soluble in water, nor sulphides, nor arsenides, unless in a decoxidised condition, and the oxides of the stuff must possess such a degree of oxidation that they remain unchanged when the chlorine is seting upon them. Indeed, it appears that a complete and thorough oxidising calcination is the first oberation. At Schemnitz, in Hungary, Prof. Platiner's process has been tried, the speise being treated for gold after the silver had been extracted by M. Zierrogel's method. Cylindrical earthen ware vessels with the lower end conically shaped were used, each vessel contained 4 ews.

To convert the gold into a chloride, chlorine was introduced; this gas was produced in a leaden apparatus filled with sait, manganese, and sulphuric seid. Each charge of the stuff was moistened and slightly heated; the extraction of the gold having been effected by oold water, so as to prevent the simultaneous dissocution of other chlorides. The gold contained in the watery solution may be precipitated either as metal or as a sulphide by any known process. One cwt. of the stuff produced a solution measuring half a cubic foot, and for this 1½ lbs. of sulphuric acid was sufficient. From 70 to 80 per cent. of the whole gold contained was actually extracted by amaignmation, but it is very probable that Platiner's system will entirely supersede it. It is a question whether gold is contained in the areenical pyrites found in Britain, and if so, how much; but should these pyrites associate with other ores, as those of copper, it might be of some importance to ascertain the percentage of gold contained, so that attention might be directed to the subject; as it is well known that, if gold be contained, the copies and

UNPROTECTED SHAFTS

UNPROTECTED SHAFTS,

Sia,—"O. O." has done good service by calling attention to these horribly disgraceful features of our county. How it happens more fatal accidents do not take place,
God knows! the knowledge of their localities, and the dangerous facts, are, perhaps,
the causes that people keep clear of them. There are thousands upon thousands of
shode pits and shafts sufficiently deep for a man or animal to break their neeks and
limbs by a fall, without the slightest protection whatever; not even the burrows
which once surrounded them, these, probably, having been thrown into the shafts to
fill them; the bottoms of these, by the action of water, gradually work their way
into the levels, and the rubbish in the shafts descends some 15 or 20 feet, leaving the
surface without sefeguard of any sort. Even where the shafts are soldered over, as
the term is, it is frequently done by placing a few trees (such as Scotch fr, or any
cheap stuff that can be had) across the orifice, and covering it over with sods; when

suaface without sefeguard of any sort. Even where the shafu are soldered over, as the term i, it is frequently done by placing a few trees (such as Scotch fir, or any cheap stuff that can he had) across the orifice, and covering it over with sods; when no one probably knows or thinks of its very existence for years, and the matter gets forgotten; as was once the case in the garden of the late Mr. Joseph Reynolds, at Pool, where a chaft was one day discovered to have broken in, and a gulf opened many fathoms in depth. I recollect in my youth passing over one of these treacherous places, and hearing the wood crack as we (for we were several schoolish was removed the places; and amused ourselves by burling large stones into the abyss, watching the sound, and guessing the depth at which the water lay from the surface—dine fun fun for boys. Many, many were the stones which that day went to the bottom, and great was the danger to all who went by that place, not three yards from a public highway, along which hundreds of people passed daily.

There can be no reason but culpable carelessness or parsimonious economy why matters should be left in this highly censurable and certainly dangerous state; it is clearly the landlord's look out, and I feel confident any jury would hold a landlord answerable for his or his agent's neglect (the same thing, by-the-bye) in case of acident; and that if any person on a common lose life or limb, the landlord would be clearly liable for recompense. You do great good, Sir, by calling attention to this subject, which has been so long neglected; it is a crying voil and a diagrace. There is no necessify for filling in the shaft, as that would injure the property prospectively, nor is there any positive necessity for protecting a shaft except by a few valis where there are positive necessity for protecting a shaft except by a few valis where there is a large burrow, as that of itself is a protection; but where the shaft is on the level, it should be made incumbent, by a high pensity, to place

hould long ago have made the welkin ring with their complaints, and rendered this assistance from you, Sir, wholly unnecessary. However, better late than never. St. Day, Jon. 16.

BLENDE WITH TIN.

BLENDE WITH TIN.

Sis,—At Wheel Ninnss, in the parish of Constantine, Cornwall, I detected these minerals associated throughout the lode in the 20 fm. level, in pretty nearly equal proportions; they were also accompanied by mundic, and spots and strings of yellow copper ore. The deeper levels contained a much greater proportion of jack and copper than the upper, in which beautiful cubic crystals of mundic were found in large quantities, some of the cubes measuring as much as 2½ in, on their planes. The polish on them was as bright as giass. The quantities were large, but were soon all large quantities were large, but were soon all earried off as specimens. The jack appeared to me to come in in the 6 fm. level. The ground in which the lode is embedded in hard granite, but at a little distance there is a pot growns. From these appearances I was led to suppose this was a copper lode in depth, though the tin was certainly increasing in quantity every fathoun the mine was such. My object, however, in troubling you with this letter is, that these minerals associated to regularly in one stone is unusual. I have never had an opportunity of seeing such before. I have seen spots of biends in tin lodes, but never a regular and equal mixture. If it is known to be so, I shall feel obliged if any espatians of miner would inform me at what depth they occur, in what strata, and the direction and dip of the lode. This lode is nearly east and weet, and dips north; it is a fine and materity one, with well defined walls. I should have expected to have found such a mixture at the Great Baddern or West Wheal Jane, but do not remember to have seen them at either in sonjunction. If any person desire to obtain fine specimens of cubic mundie, this is the place for them. They may be procured in any quantity, and at a comparatively trifling expense. I saw large quantities in the count-house, and I procured a cube as nearly perfect as possible, not having a single fracture on any one of its angles or corners (almost always thosse, and term

STEEL ANALYSIS.

STEEL ANALISIS.

SIR.—Dr. Noad feels aggrieved at my having stated that he had analysed numerous samples of my steel. Mr. Thomas Brown, more than a year ago, informed me that he had submitted numerous samples to Dr. Noad for analysis; and the inference was, that they had been analysed by the latter gentleman: however, he says that such is not the case. Possibly the samples named by Mr. Brown were some of "Unbating's steel," which, in the hurry of business, got confounded with my samples. These awiward transpositions have occurred with much larger samples of steel ere now. Coleford, Jan. 20.

ROBERT MUSHET.

THE IRONMASTERS OF STAFFORDSHIRE AND WALES.

THE IRONMASTERS OF STAFFORDSHIRE AND WALES.

Siz,—We are told the panic is over, or, at least, so far over that we have money enough to meet all our requirements as a people; at the same time, we are led to expect here and there further failures, enapensions, stoppages, &c., "which for some time to some are to be received as a matter of course." No doubt it is better to expect such, and do our beat to guard against them, which every man of business will do. My object, however, is writing is more to ask information than to give it. I have seen the accounts from Staffordshire, and with surprise read the lamentable statements, not only on the £ s. d. question and condition of the district, but the cunning and dishonesty which appears to be set up as a beacon light for the poor. I feel a shock of horror at the idea of so great a number of masters in South Staffordshire being found capable of such conduct as that recently exposed—men with 10001, or 2000. Legin business, then stop payment, and cooly inform their creditors that their liabilities are 60,0001, or 100,0001,, and that if time be given them they will pay; and so the game goes on.

I have not seen an secount of a single failure or stoppage from Wales, and I cannot understand why ironmasters in Staffordshire are always failing, and the ironmasters in Wales never fail. I shall be glad, Mr. Editor, if some of your correspondents will inform us how it is. I have been informed the Weish ironmasters sel at a lower price than Staffordshire, and do well—indeed, make fortunes to the amount of million. Is all this owing to the men, or their advantages? A word or two on these points will be highly esteemed by your uninformed the Weish ironmasters sel at a lower price than Staffordshire, and to return the liability esteemed by your uninformed the Weish ironmasters sel at a lower price than Staffordshire, and to well incomed the Weish ironmasters sel at a lower price than Staffordshire, and to return the recent of the men, to the bighty esteemed by your uninformed the W

JOINT-STOCK PARTNERSHIPS-IMPORTANT TO MINING COMPANIES.

JOINT-STOCK PARTNERSHIPS—IMPORTANT TO MINING COMPANIES.

Sia,—The new Acts for regulating joint-stock companies, passed within the last two years, are now in full operation, and no existing company required to register, which has failed hitherto to do so, can remove the liability which it has incurred. Such companies cannot (Joint-Stock Companies Ast, 1837, sec. 23) see either at law or equity (aithough they may be sued both at law or in equity) while they continue unregistered; can pay no dividend; and each director and manager of the said company is liable to a penalty of 54, per day, which may be recovered by any person, and applied by him to his com use. Mr. Murchison's reference to the superiority of the Joint-Stock Companies Acts over the Cost-book System, even in Cornwall, in last week's Journal, has revived the subject in my mind, and I will, therefore, put a few questions which might farnish some interesting information if some of your legal correspondents would answer them.

By the third section of the Joint-Stock Companies Act, 1857, it is enacted that if more than twenty persons (not exempt from registering) trade for gain, each partner is liable for the whole debts of the partnership. The question I would ask upon this section is — Does the fact of rendering such partner so liable convert the company into a common law partnership, and therefore exempt it from the requirements of the Act, or is the partnership a company required to register? The Act, as far as I can understand, requires them to register, and if I am right it only remains to be shown whether they are a company within the meaning of the Joint-Stock Companies Act, 1856-7, or not. My query has especial reference to companies formed under the Cost-book System for working mines not within the jurisdiction of the Stannaries; and as those partnerships have been earried on and advertised as companies, I think it would be difficult to prove that they are not companies; and combining the two conclusions, I maintain that they are "companies req

ON THE TRIAL OF PATENT CAUSES .- No. XIX.

ON THE TRIAL OF PATENT CAUSES.—No. XIX.

Six.—I will now suggest the mode in which the proposed officer of the Patent Commissioners might have dealt with Heath's specifications secording to the rule of interpretation mentioned in my last; and it may be as well to remark that this rule has more to recommend it than the simple fact of my happening to suggest it in my treatise, published ten years ago, for it is, I believe, virtually acted upon in general by those who are in the habit of examining and reporting on specifications professionally. Report on Heath's Symplectical that is a symplectic to the point in question is expressly stated in two places. In the one place it is expressed thus:—'not the use of any such mixture of cast and malleable iron, or malleable iron and carbonaceous matter, but only the use of carboret of manganese in any process for the conversion of iron into cast-steel.' In the other place it is expressed thus:—'the employment of carboret of manganese in preparing an improved cast-steel.' Taking the claim as expressed it includes, in terms, the use or employment of carboret of manganese, without limitation—that is to say, it includes whatever is to be understood by such use of this material or composition; so that unless the rest of the document bears out this construction the specification will be bad. But directions are given therein, by following which carboret of manganese will be used for the purpose, and produce the require effect. This point seems to be conceded, for there is no case of insufficiency in this respect raised. Therefore, the principle of using or employing carboret of manganese to the purpose is embodied in a practicable mode of proceeding, and such principle (assuming it to be new) is covered by the patent.

The novelty of the principle is, however, disputed, and strictly speaking the principle does appear to have been in practice at the date of the patent. But the trade and persons generally conversant with the subject do not seem to have been aware of it, neither doe

of the patent, yet it was used in a very uncertain manner, and so as scarcely to be capable of insuring its continuance, while the patentee, by the working of his patent, established the value of the invention, and made the public acquainted with the mode of using it permanently.

Now, assuming the foregoing to be the report issued under the sanction of the Patent Coumsissioners, it is easy to see that this case would have been in Fuch better train for early settlement than it was by being presented for trial in the Court of Exchange in the usual manner, with two conflicting interpretations of the specification, both of which rested upon any authority which the judge could recognise. I think that the apparent indecision of the judge as to the meaning of the specification was but a natural fruit of the ordinary mode of taking a patent case tho court. But the proposed mode would have the effect of relieving the mind of the judge from a great amount of perplexity on subjects with which he was not necessarily familiar, and give proposed mode would have the effect of relieving the mind of the judge from a great amount of perplexity on subjects with which he was not necessarily familiar, and give him: a fixed starting point from which to proceed in the Investigation of the case, and to determine its particular merits as between the particle concerned.

The above roport gives a meaning to the specification, which includes the use of the patent by their use for the purpose. But does it do so in any arbitrary manner is the patent by their use for the purpose. But does it do so in any arbitrary manner is the patent by their use for the purpose. But does it do so in any arbitrary manner is there any forced construction of the terms of the document. The only question on this construction is, as to whether the practical directions for carrying the investion into effect are given with sufficient fulness in the document. The only question on this construction of the terms of the document to be approved the partner. I think it

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Meetings af Mining Companies.

GREAT WHEAL VOR UNITED MINING COMPANY.

A special general meeting of proprietors was held at the offices of the compression House, Old Broad-street, on Wednesday,

Mr. H. W. Schneider, M.P., in the chair.

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GREAT WHEAL VOR UNITED MINING COMPANY.

A special general meeting of proprietors was held at the offices of the company, Gresham flouse, Old Broad-street, on Wednesday,

Mr. ALESOR (the secretary) read the noise coavaming the meeting.

The Chairman said they were summoned for the purpose of receiving the report of the committee of lawestigation appointed at the last meeting, and, as that document had been issued, it was for them to decide whether they would take it as read.

The committee of investigation, who were instructed. "To equive into the past expenditure of the sums received from shareholdors and from the sale of ores, and to see if the same have been properly and legitimately applied, and to consider whether any and what changes it may be expecient to make for them sore efficient and economical were also as the same of the committee of meaning and the same and the content of the same and the same and the content of the same and th

Sithney Weesi Buller, 6634, 13s. 6d.: We have had no means of examining this amount.

London expenses, 5544, 9s. 8d.: On this head there seems to be no evidence of conomy, and many of the items we consider extravagant. Whilst the company rested the premises in Gracechurch-street, at 1901, per annum, Messrs, Crease were permitted to carry on their own business, including the management of the Holmbush and other mines, without any charge,

Office rents, 618, 18s.; furniture and fittings, 267, 18s. 8d.; attendance, fring, fix., 107, 14s. The present premises are rented at 215f. per year, which we think excessive, having regard to the state of the company's finances; and when taken, there was a great outlay for expensive furniture.

Balarias, 2250; We perceive that, of the 5544f. 9s. 8d., 3250f. (or about one-half) is for the manager's salary, and, we conceive, ought not to come under the head of Lundon expenses. With respect to the other salaries, being at the present 200f. per year for the secretary, and 99f. per year for two olerks, whilst we think it a mistake even to undervalue the services of the officers in such a company as this, yet we believe these items will require reconsideration by the shareholders.

Travelling expenses, 64f. 3s.: Do not represent any portion of the enormous amount charged for travelling expenses in the cost-sheets.

Auditors, 1917, 5s.: It seems to us that the audit of the accounts in London is not the effective audit required for these mines which the shareholders have been led to expect and boileve; and that a new system must be adopted, which will be adverted to in a subsequent part of our report.

General meetings, 1774, 5s. 7d.: These charges seem to us enormous, as printing,

Auditors, 1935. St.; It seems to us that the audit of the screening and content is to the effective audit required for these mines which the shareholders have been led to spect and believe; and that a new system must be adopted, which will be adverted to in a subsequent part of our report.

General meetings, 1775. St. 7d.; These charges seem to us enormous, as printing, &c., involves almost a like amount.

Printing, &c., 1704. 18s.; stationery, 1651. 4s. 9d.; law charges, 1221. 9s. 5d.; Printing, &c., 1504. 18s. 3d.; sundries to mines, 571. 12s. 6d.; Mining Journal, 931. 10s. 3d.; On these we can form no opinion.

Unexplained balance, 3731. 10s. 1d.

\$294,769 3 10 £1,180 11 6 5,831 0 0 2,336 19 8 5,544 9 8 500 0 0 17,233 18 9 Preliminary expenses Commissions
Interest and discounts
London expenses
Vote to committee
Properties purchased
Cost—Payments to date
Outstanding
Inspection of mines
Sithney Wheal Buller
Dividend account
Bank commissions, Helston, &c.
Porthleven Harbour ... £233,690 8 2 14,366 14 10=248,057 3 0 140 0 0 8,684 15 6 4,076 9 8 183 16 1 1,000 0 0

PRESENT POSITION OF THE MINES.—We called in the assistance of Mr. W. J. Hanwood, who had long known, and had last year carefully inspected, the mines. Moreover, we had the valuable opinion of Capt. Charles Thomas, Capt. R. Bryant, Capt.
Mark Reed, and most of the captains engaged on the mines. Their unanimous judgment was that the first and most important consideration for the company would be
to complete the forking the water without the least delay, and the length of time required for that purpose was estimated at about six months; in the mean while to enlarge a part of and fix two skips for drawing ores at Boundar's shaft, estimated to
soon about 12001,; to fix the man-engine without loss of time in Crease's shaft to the
indicate the shall be shaded to the shade of the shade £294,769 3 10

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cipate your approval of this arrangement, and have to request you to notify the same teen on or before the 5th inst.—Henny and Edward Crease, Managers,

Mr. Cole Cole wished to know whether it was the report of the committee of ma-tagement, and whether they were ready to sign it?

The Charman replied that Mr. Neale had drawn it up and submitted it to the com-nittee on Monday, and they considered it satisfactory. They had not the slightest notion that the shareholders had been badly treated by Mesers. Crease.

Mr. Natz said, when he saw the report of the committee, being acquainted with the whole circumstances of the company, from the formation, he felt bound to answer i, and every statement he had made respecting its formation he was prepared to sub-tantiate by documentary evidence.

Mr. NEALE said, when he saw the report of the committee, being acquainted with the whole circumstances of the company, from the formation, he felt bound to answer is, and every estatement he had made respecting its formation he was prepared to substantiate by documentary evidence.

Mr. Perrar Warsov called upon the committee to sign it, otherwise it could not be received.—Mr. Cole Cole Cole would call upon the committee to sign it.

Mr. GOODEDORID IS It already signed?

The CHAIRMAN said the report was not signed. But, Mr. Neale, being more acquainted with the circumstances of the Flow, they considered the tetraleft in his hands; but the other members of the committee of management did not bind themselves to it. In justice to Mr. Allson, he must exonerate him, as behad frequently brought before the committee items which were considered extravagant.

Mr. Harvay, as one of the auditors, had also called attention to some of the items. Mr. Nalux considered they might have had a secretary that would have brought the charges before the committee.

Mr. Diverr would ask whether the secretary did call the attention of the committee to any of the objectionable charges.

Mr. Alson said he should leave his defence in the hands of the committee.

Mr. Divery would ask whether the secretary did call the attention of the committee.

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Mr. Divery did not think that answer would satisfy the proprietors.

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The Charmana said, as Mr. Alison had left his defence in their hands, he could say that he did call their attention to certain objectionable charges.

Mr. Nalls said that, admitting great irregularities had taken place as to part of the expenditure above ground, they had been fully investigated, and a remedy applied by the committee in a report drawa up in consequence of a resolution dated Oct. 13 last. All he (Mr. Neale) did was to defend the last manager from the charges of fraud, affecting the management of this, the greatest tim mine in the world.

The Charmana said, when he joined the company, he knew nothing about it, except from the statement of Mosars. Crease. The Flow he considered bought as a separate property, and updn different terms. Until Mr. Rawlings brought it before them, they did not know anything about it. All he wanted was to put the saddle upon the right horse.

Mr. Rawlings said, Mr. Crease was desirous of attending the meeting, but some pecuniary matters prevacted him. They would not have put any obstacle in his way.

Mr. Cole Cole, in moving the reception of the report of the committee of investigation, was sorry to be obliged to speak upon matters that would be personal; but the enquiry was one of the meet painful he had ever passed in his life. It was evident, from what the Chairman told them, that they had been decired. When they come to investigate the subject they found they did not hold any property at all at the establishment of the company, as the leases of the sette were only promised, and the Flow and Wheal Matal were part and parcel of the Great Wheal Vor, although they had to pay afterwards \$500t, besides the expenses of the leases. He co

only promised.
The CEATHMAN said the leases were forthcoming when the company were in a posi-tion to work the mines.

tion to work the mines.

Mr. Goodneous said they had paid 60,000i.: they had paid twice over.

After a lengthened discussion, it was agreed to receive the report of the committee of investigation, and that the committee of investigation continue their services, and confer with the present committee of management.

Mr. Childs, the solicitor, having pointed out the necessity of appointing a purser forthwith, as proceedings were being taken in the Standaries Court against defaulting the standaries court against agai

harsholders.

The CHAIRMAN announced that they had appointed Mr. Alison as purser, pro tem.

Mr. COLE COLE considered it would be of advantage that the appointment should be published to the world, and he would move that the appointment of Mr. Alison be only made to the meating.

be published to the world, and he would move that the appointment of Mr. Alison be confirmed by the meeting.

The resolution was seconded and carried unanimously, as also one directing that proceedings should be adopted against all shareholders in arrear of call on Jan. 31.

A SHAREMOLDES enquired whether any steps had been taken to get a new staff?

Mr. Coux Coux said it would be satisfactory for absent shareholders to know that immediate steps were taken to advertise for a new staff, which would satisfy them that they intended going to work.

Mr. Noxex replied those steps would have been adopted before the meeting, but the committee considered it better to delay it until after it was over.

Mr. Rakurisos said they had got a report from Capt. Bryant, which it might be satisfactory to the meeting to hear read.

The CHAIRMAN then read the following report:—

Mr. Rawlinos said they had got a report from Capt. Bryant, which it might be satisfactory to the meeting to hear read.

The Chairman then read the following report:—

Since writing you on Dee. 12 last, the water has been drained at Trolawny's shaft to the 248 fm. level, and Bounder shaft completed 4 fms. below the 236. Two angle-both have been fixed in the 174, and nearly all the horisontal rods are in the level and the greater part of the plates on them; besides which, a portion of the rods are also in Bounder shaft. The men are at presentengraged fixing pullies or rolls to carry the rods in the 174, fixing anchorage for bob at Bounder shaft, plummer blocks for hobs at Crease's shaft, &c. Every portion of this, the most important work, is pushesforward as fast as possible. At Crease's, ground has been out at the 225 for fixing rods to drain the water below the 236, for sinking a winze in the tin ground, as recommended. There is no alteration to report in the tuwork operations, except that the driving of the 154 east, on the south lode, has been resumed; the lode is very promising, and will in all probability reach the tin ground wrought in the bottom of the 154 shortly.—Truemans Lode: The lode in the 40 west is rather better defined than it has been, and yielding tin staff of low quality. The 40 east is also poor. Sand Bank shaft is sank 2 fms. below the 40, where the lode is much of the same character as in the 40, yielding a little tin, not to value. The winze in the bottom of the 30 is sunk as deep as the 40; the lode towards the bottom of this has been dipping very fast north, and not so rich as when last reported on, yielding instatuff worth 1 qr. of tin per ton of stuff. There is ground about this winze that will pay well for taking away when the 40 is communicated with Sand Bank shaft. The 113 cross-cut, from main lode, has not reached Trueman's lode as yet; the ground is easier for driving, and apparently congenial for tin.—Wheal Metal: The engine-shaft is sumit to the 110, and commenced opening plat e

The proceedings, which lasted many hours, terminated with votes of thanks to the Chairman of the meeting and the committee of investigation.

DUSTON IRON ORE COMPANY.

At an extraordinary general meeting, held at the company's offices, Cannon-street,

AT an extraordinary general meeting, near at the company's omes, cannon-street, on Wednesday, Mr. Thos. Bisocop in the chair.

The Chairman called upon the secretary (Mr. Nurse) to read the notice convening the meeting, to which Mr. Coopen objected, on the ground that they should first ascertain that every shareholder present had paid his calls, and requested the production of the bankers' pass-book, contending that it would remove all doubt with respect to the rumours affoat that certain shareholders passed memorandums for their calls, which could not be considered equal to actual payment.

The bankers' book was produced, and the shareholders expressed their entire satis.

respect to the rumours amost that certain shareholders passed memorandums for their calls, which could not be considered equal to actual payment.

The bankers' book was produced, and the shareholders expressed their entire satisfaction. The secretary then read the notice, together with the following report:—

The directors of the Duston Iron Ore Company (limited) beg to report to the shareholders that since the last general report they have caused the company to be registered under the Act of Parliament, thereby limiting the liabilities of shareholders; that, with reference to the operations of the company, the directors beg to report they have used every endeavour to get a market for the ironstone, but they regret to say without effect, and, as may be supposed, a loss has occurred to the company by reason thereof; that, for the purpose of getting rid of the present liabilities of the company, the directors will be compelled to make another call of 2s. 6d. per share; that, since the dismissal of the late managing director, the directors have not appointed any other person, by which a very considerable saving has been effected in respect to the salary which would otherwise have been payable by the company; that an earlier meeting would have been called, but the directors, having in view the wishes of the general body of shareholders, have endeavoured to make an amicable arrangement with the Midland Wagon Company to cancel the contract with them on the best terms they could, and the new contract will be laid before the shareholders at this meeting, by which the terms will be readily seen; that, under all the circumstances, meeting, by which the terms will be readily seen; that, under all the circumstances, the directors, having taken every care, and bestowed all the attention they have been able for the general benefit of the shareholders, cannot recommend the company to proceed further with the works, and their only hope is to get rid of all the liabilities of the shareholders in an unicable, and in the least expensive, manner.

The directors report that there appear to be various opinions as to the quality, properties, and the value of the ironstone; but, as a company, they feel it would be useless in attempting to carry on the undertaking.

Under these circumstances, it will be for the shareholders to determine upon what course they will pursue, and the directors beg to state that they will reader every assistance in their power to aid the shareholders in whatever course they may recommend to be adopted for the general benefit and interest of the shareholders.

The CRAIRMAN observed that the report, though short, was the best they could offer

isoarse they win pursue, and the shareholders in whatever course they may recommend to be adopted for the general benefit and interest of the shareholders.

The Chairman observed that the report, though short, was the best they could offer them; and as they could find no market for their ironatone, they thought the most advisable course was to wind-up. The principal question, therefore, if the meeting entertained a similar opinion, was -How could that be most cheaply and speedily affected? He them moved the reception and adoption of the report.

Mr. Coopen did not know anything to object to in the report, but as he heard something about a call, he thought it would be advisable simply to receive it, and order it to be entered on the minutes, so as not to pledge themselves to it.

Mr. Kilder considered the latter portion of the report highly satisfactory, and did not see that they could object to support it.

The motion was then put and carried, Mr. Cooper alone dissenting.

After some discussion with reference to the contract between the Duston Iron Ore Company and the Midland Wagon Company, Mr. Kilder sid that he had given notice that he should move a resolution for winding-up; and from what he could learn, the voluntary system, as suthorised by the Joint-Stock Companies Act, 1856, was the best they could adopt. He then read a chapter from Tapping's "Exposition," and moved a resolution that the company should be wound up.—Carried unanimously.

Mr. Bayrons then proposed that the winding-up be voluntary, which resolution was also carried unanimously.

size carried unanimously. Mesers. Bryden, Kilby, and Marvin, were proposed as liquidators; and after the usual somplimentary votes, the meeting separated.

WHEAL UNY MINING COMPANY.

The general m ecting of shareholders was held at the offices of the company, M uceday, Mr. Hinds in the chair.

Capt. Jas. Rows, from which the following is condensed:—

Since your last quarterly meeting we have made the communication with the 40 and 60, west of Cock's shalt. We have 18 men working between those levels, at an average tribute of 12s. in 11., breaking tinstaff of 2% produce. The number of men working on tribute is 68, at an average of 12s. in 11. The appearance of the lode in the 40 is highly encouraging. A very favourable character for producing copper, being a soft granite; its disection is also good, being 5° south of east. I have no doubt that, at deeper levels, this lode will make a very good one.

nt of accounts, from Aug. 31 to Nov. 30, was submitted, from which the



MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

[EXTRACTS FROM OUR CORRESPONDERS.]

The market is steadily improving, and a fair amount of business been done during the week. An advance of 34, per ton on English tin has given an impetus to business generally. We are advised by telegraph that a considerable advance took place on Thursday in the standard for copper ore. This is a precursor to better prieses, and cannot fail to have a very beneficial effect on the market generally. The public may now, in our opinion, asfely invest in good dividend and progressive mines, and, by a judicious selection (seeing that there is evidently an upward tendency in prices), large profits will result by purchasing at present market quotations. It should be borne in mind that the advance in the market value of mines during the past few weeks is trifling, when compared with the great decline that took place during the late monetary crisis. Now that confidence is partially restored, and the money market having become comparatively easy, it is only reasonable to assume that good mines will be sought after for investment. While it is very desirable to secure an investment to return 15 to 20 per cent, per annum, such as dividend mines usually pay, there are many other mines in the list, termed progressive, that will highly remunerate an outlay. Railways and other securities, paying 3 or 4, and seldom more than 5 per cent, command a great deal of attention just now. We-are not surprised at this, seeing that a ready market is always found for any quantity of stock. Good mines, however, pay 15 to 20 per cent, per annum and some at present prices pay as much as 25, while progressive mines very frequently advance from 20 to 100 per cent, in a few days. Those fluctuations have often been witnessed, arising from a sons jide addition to the value of mines from important discoveries being made in the course of their development. Mines in good localities are all subject to important discoveries. Hence, locality and respectable management mines will pay a bigher rate of interest than any oth

NORTH WHEAL WREY CONSOLS.—We are pleased to hear of a great improvement at this mine. The lode at the engine-shaft has increased in size from 2 to 4 ft. wide, worth % ton to the fm. Should the lode continue to improve, it will pay the cost of sinking. A parcel of ores was sampled on Friday last, of fair average quality, for sale on Feb. 1.

quality, for sale on Feb. 1.

LADY BERTHA.—I am glad to see that the captain of this mine has been laying open a good extent of ore ground, which is an example worthy of imitation in this and the adjoining districts, and I trust the shareholders will not be led away by a desire for an early dividend to force him to take his reserves away too quick. If so, they will spoil a very promising little mine, and put out the light of the "Star of the East."—ANOTHER LOCKER-ON.

From DEVON BURBA BURBA, the agent writes that the water still connues very strong in the 40, and issuing from the south side of the level, about 6 ft.
om the present and. He was underground yesterday, but could not take any disige, nor venture far into the levels, the water being up to his middle. He considers
ley are at a very important point, but he cannot report before a week or so with any
gree of certainty. PEMBROKE AND EAST CRINNIS.—The eastern portion of the mine is

opening out well, giving every promise of durability; and should the 152 in the western fall, the eastern affords a prospect of giving good results to the shareholders and proving the permanency of the mine. ng proving the permanency of the mine.

ROSEWARNE CONSOLS.—A considerable improvement has taken place in
the bottom of the level, the whole of the settings progressing favourably. In the
surse of a month another sampling of a small parcel of copper will be made.

South Hingston.—We are informed a meeting will be held next week.

Mr. Crofts sends us the following remarks:-

Mr. Crofts sends us the following remarks:—

It can scarcely be said that there has ever been, so far as the writer's experience or observation is concerned, so complete a return to business and confidence as has been manifested within the past week; and to that class of the specialities public who have availed themselves of the golden opportunity to invest before prices have so far railied, and shares statised a higher level, as to narrow the margin of euccess, and bring it nearer to the danger point, great credit is due, as evincing a keener appreciation of events than has ever before been shown, and carrying with it, what is still more to be applauded, a marked discrimination in the choice of shares; and lest this line of conduct should be relaxed, it may not be out of piace in a writer who ardently desires to see the mining market purged of even the facility which has hitherto existed, almost with impunity, of introducing crude and worthless schemes (in many cases with designations borrowed or adopted from some established and highly successful mines), perfectly baseless in the majority of even a chance of success; and by encongaging which, whether from ignorance or cupidity, such sums are lost as to spread ruin on every side, and to retard the progress of "legitimate," or what is understood to be bond fide mining. The competition amongst brokers and dealers in these securities is aiready pushed to a point which gives a fair guarantee as to the value of any given concern to those who will take the trouble to enquire before investing; and it is, therefore, as little prudent as it is unnecessary to rely on the type dirif of any individual who may recommend shares when there is an open market to resort to. These remarks are not founded upon supposititions circumstances, but upon real experience; and they are penned with the highest desire to assist in a reform of whatever is defective in this important branch of business, whether applicable to bayers or sellers of shares. The transition from a very low price i the past week has been characterised by a very large innux or capital into the market; but, whilst it can be shown that there are yet abundance of shares—dividend, proximate dividend, and progressive—which can be bought at 50 per cent. under their highest prices a year since, there is yet a large margin for safe purchases; and the more especially as tin, even before its anticipated time, has advanced 5t ton—step preliminary, of source, to a further advance—and thus tin, lead, and copper mines, have each equal chances of success; the "ban" under which tin mines were placed by the extreme depression in that metal having been removed, and confidence in this class of concerns restored.

Mr. Lelean communicates the following remarks on the market :-

Af trither rise of 51. in the price of tin has taken place, making altogether about 181. from the lowest to the present price within a period of two months. The standard for copper has also advanced, and both tin and copper are likely to get very much better. The mines worth buying, at the present, are—Providence, Margaret, Kitty, Dolcoath, Lady Bertha, Par Consols, Botaliack, Carnyorth, Boscean, Ding Dong, Margery, North Levant, Trolyon, St. Ives Consols, Bell and Lanarth, Lovel, Reeth, East Providence, Mary Ann, Trelawny, Balnoon, Wheal Wrey, West Fowey, Tolvadden, and East Margaret. Although many of these have advanced 25 per cent. since the first of this month, another and a greater rise, 75 per cent., is confidently expected, and that shortly, money being abundant, and the news from India favourable.

NICKEL ORES.—Within the last few years important discoveries of nickel ores have been made at the Gap Mines, Lancaster County, Pennsylvania, U.S. These ores are a sulphuret of nickel, containing a little copper and a trace of cobalt; they have been successfully worked by a chemical farm in Philadephia for upwards of four years; and the superior quality of the metal has led to its adoption at the United States Mint for the manufacture of the new cent. It is estimated that upwards of 100,000 tons of these oree are explored, and the prospects of the mine indicate an inexhaustible supply. The present sales of nickel ores amount to 200 tons per month. The mines are capable of producing from 500 to 1000 tons per month; and there is no doubt, when the attention of nickel manufactures are directed to it, that this will become one of the largest nickel-producing mines in the world.

GOVERNMENT SCHOOL OF MINES.

The lecture by Dr. Percy commenced with the "Amalgamation of Black Copper," as practised in Hungary. This contained from 7 to 8 loths of silver. The copper was about 87 per cent., and the remaining impurities consisted of iron, sulphur, and antimony. This was first heated in a reverberatory furnace; then, while in that state, broken into pieces, heated again, and afterwards pounded into the state of a fine powder. It is then ealoined, so as to convert the copper into black oxide, subsequently reasted with common sait. The charge is about 4 ewts. this is mixed with common sait to the exist of about 9 or 10 per cent., according to circumstances. The reasting operations ought to be performed very carefully, and generally to last from six to six and a half hours. When well conducted, there will be found an increase of weight of about 30 per cent. The copper will then be easily pulverised. After reasting, it is passed through a sieve of 25 holes to the inch. The barrels in which it is placed holy about 15 centners. When this has been revolved so at to form a pasty mass, 4 centners of mercury are added. The revolutions take place for about 16 hours. The water is then put is, and the process is continued for about two hours. The amalgan is then removed, subjected to pressure in the ordinary way, and subsequently reduced by heat. On this subject there had been several very interesting experiments made by Winkler. impurities consisted of iron, sulphur, and antimony. This was first heated

about 30 per cent. The copper will then be easily pulveriese. After roasting, it is shout 15 centurers. When this has been revolved so are to form a pasty mase, 4 cent. about 15 centurers. When this has been revolved so are to form a pasty mase, 4 cent. about 15 centurers are added. The revolutions take place for about 16 hours. The water is then pat is, and the process is continued for about two hours. The annalyzar the pattern of the p

The lecture by Mr. WARINGTON SMYTH was on "Colliery Working in Thick Seams." The lecturer first referred to the working of ironstone which he had spoken of in a previous lecture. With regard to colliers there were some seams which were of an ordinary thickness, and other which were beyond that, and these were worked in a different manner. The diagram before them was that of the Risca Colliery, and this, unfectunately, was famous for the accidents that had occurred there. The coal there misprobably be obtained at a cheap rate, but the great question to be considered is wither under the system of working practised there the men's lives were not to a cotain extent jeopardised. The angle of many of these Welsh seams was very great and deviated much; if they were to drive a straight level, it would be so steep the when the horses went down with a load they would not be able to stop the impit they would receive, or on returning to draw up the empty wagons. The system provide here is to drive drifts, and afterwards cross-headings; from these lift in deer to secure troof, sometimes these are square, at others rectangular. The goals, which are form by the accumulation of the small coal, are the cause of many accidents; to a certific extent, the plan of stalls is carried out there, but owing to circumstances there is great tregularity in the plan. He would now refer to the working of thick coal, as it was called in the Dudley district, the ten-yard coal, because in general it about that thickness; in the Staffordshire and Worcestershire district it was ineneral from 24 to 35 feet wide; on one one country; and the proximity of line ironstone to the beds of fuel were a great source of profit to our ironmasters, and abled them, in spite of protective duties, to compete so successfully with ironmastar along the great and the proximity of line ironstone to the beds of fuel were a great source of profit to our ironmasters, and abled them, in spite of protective duties, to compete so successfully with ironmastar about that the source of the second of the country. In France they often observed the outerop at the sface, affording most favourable indications; t which he had spoken of in a previous lecture. With regard to collierie being worked at such an economical rate as to ensure a profitable return. The rec-rence of accidents in these places, and their consequent frequency, induced the fi-Preach Republic to issue a commission in order to ascertain not only the best methof working these thick seams of coal, but likewise to prevent the casculties where constantly occurring, and the results of these observations had been published.

French Republic to issue a commission in order to assertain not only the best method working these thick seams of coal, but likewise to prevent the casualtres where constantly occurring, and the results of these observations had been published on the coal of the coal of the principle which he had been mentioned was observed at Almaden, in Spain, and Schemnitz, in Hungary, with the take out a certain portion, and then leave pillars remaining; this was illustrably a diagram, showing how the levels were driven.

He would now refer to a system of obtaining anthracite at La Mure, in the degingent of the coal is first got in the upper way, and great prestions are taken to ensure the safety of the workmen. In some of the anthracite it can be the coal is first got in the upper way, and great prestions are taken to ensure the safety of the workmen. In some of the anthracite it is at a second where the amount has been as much as 6 tons. At Blanzy the dip varies from the office of the workmen in the countries of the count

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the depa keep up-eat press hracite of ave occur-ries from a similar of the roof in a most case. When the roof is side, for the roof in a roof to a roof in a roof to a roof in a roof in

hat to the boundary; in general it was considered, where they had capital enough, but it was better to work from the extremity home. In some places where there had been boundaries between two pits the pillurs had been broken into, for, unfortunately, in these particulars there was a great laxity of morality underground. The thick coal was in a great degree liable to combustion.

Mr. Smyth then aliuded to the pian of Mr. Buddle of panneling, which isolated the different workings. A seeful work which had been published on the method of working onal mines in Staffordshire and Worcestershire was Smith's Miners' Guida; in some parts the coal is worked out there to such an extent that the candles will not illuminate the roof, and consequently the miners are not able to see the cross fractures which occur in the coal. A blow of the pick, ungaardedly given, will often bring down a large mass, and human life may thus be sacrificed; not only was there a great waste of coal, but the lives of many people were offered up. In this same work Mr. Smith had proposed that the system of the long wall should be adopted; this had been followed in 1845 by Mr. Forster having introduced it is his collieries; he had been followed in 1845 by Mr. Gibbons, and subsequently Mr. Blackwell, at his works, had proved its efficacy. The various methods of working would be further considered, as well as the different systems of ventilation, in subsequent sectures.

THE MINERS' FRIENDS-No. II.

THE ROUND BUDDLE—TEAGUE'S DRESSING PRAME—WILKINS'S SEPARATOR

In our former article of this series of papers, we considered they who cheapened the production of mineral added to the general real. In the appliances we this day select as our subject this qualification is exhibited in a high degree. We are aware the round ouddle is not a novelty, and therefore we may be consured for "in-douling it, but we remember when it was. The first time we "aw it was at the Rast Wheal Rose, in use for desaing lead ore; his managers of that since claim to continue the continue of t

MINING IN JAMAICA.-We have received advices to Dec. 26 :-

MINING IN JAMAICA.—We have received advices to Dec. 26:—
WHEAL JAMAICA COPPER COMPANY.—The report of the committee of management, signed by Mr. John West, the purser, states that, since the last general meeting of shareholders, the committee have confined the works at the mine wholly to the driving of the cross-cut, with the double view of lessening for the present the working expenses, and of pushing on a work destined, it is hoped, to aid materially in the future more complete development of the lode, which has been hitherto prosecuted with so much success. In order to render Charing Cross a remunerative investment, the vein of ore that has attended their operations from the commencement of the works to the present time must be followed up at a depth considerably below the levels capable of being driven without sinking, and, therefore, without machinery. Heavy and expensive machinery will be required to make Charing Cross what it ought to be. The statement of accounts to Nov. 30 showed a balance in favour of the company, including outstanding calls, of 3836, 9s. 36. Mr. G. B. Nethersolle, in his report, gives the total amount of work done in levels, winses, cross-cata, &c., up to the present time 1175 fms. 1 ft. He strongly advises to continue presecuting the

driving of the 65 fm. cross-cut, which was being pushed on with all vigour, and which was the only and proper means of proving the future value of the mine.

RIO GRANDE MINING COMPANY.—Mr. Edward W. Hitchins, the purser, reported that they were still very busy dressing copper ore, and should be for some time, as from present appearances they expected to break a great deal.

ELLEMBLE AND BARDOWIE MINING COMPANY.—Mr. J. G. Smith, the purser, states that matters at the mine continue in a very satisfactory condition. Attur's lode in depth improves in production, as it now yields from 4 to 5 tons of rich quality ore per fm. Through the courtesy of Mr. Win. Wright, the company had availed themselves of the services of Capts. George and Middieton, of the Martquitz Company, to inspect the mines, and had reported lavourably on them. The statement of accounts showed a balance in favour of the company of 1474. 16s. 7d. According to the intest advices, the improvement had been most extraordinary in depth. They had 50 tons of ore ready for the first vessel for Liverpool.

MINING REMINISCENCES.

Having lately made a tour through a great part of the most celebrated mining districts of Cornwall, a few remembrances may not be unacceptable to your renders. In making these remarks, we shall not go into the tone to the pocularities of the geological formation, or the nature of the locks of the pocularities of the geological formation, or the nature of the locks of the pocularities of the geological formation, or the nature of the locks of the pocularities of the geological formation, or the nature of the locks of the pocularities of the geological formation, or the nature of the locks of the pocularities of the geological formation of the locks of the pocularities of the great part of the pocularities of the great part of the locks of the pocularities of the great part of the pocularities of the great part of the profess the great part of the

several good copper lodes in this sett; a shaft has been sunk, and levels driven, to within a few fathoms of them, by the same company who wrought the Tremoor (of which we have before spoken); they have thus abandoned the mine where they should for which we have before spoken); they have thus abandoned the mine where they should for which we have before spoken); they have thus abandoned the mine where they should for more appearance of the first of the state of the sta

Mining Correspondente.

BRITISH MINES.

ABBEY CONSOLA—J. Trewin, and has an appearance of further improvement. The roops in the solid real, with of single-shall, are also improved, new worth it extra roops in the solid real, with of single-shall, are also improved, new worth it extra roops in the solid real, with of single-shall, are also indepred, and the solid extra roops in the solid real main and the solid real roops in the solid real main and the solid real roops of the solid roops of the

going on as (avourably as they well can.

CARVANNALL.—Wm. Roberts, Jan. 19: In the 76 west the last 6 feet have produced 3 tons of good ore; at present the end is worth 1 ton per fm.; this looks well for the western ground, as the end is about 30 fathoms west of the other levels. The 100 west produces ½ ton of ore per fm. Other parts are without alteration.

CASTELL.—John Lester, Jan. 18: We sampled on Saturday 25 tons, for sale on Jan. 26. The lode continues much as usual.

CATHERINE AND JANE CONSOLS.—R. Harry, Jan. 21: In rising on the cross branch, we have communicated to the former workings on the main lode; the men are at present stoping south-east on this branch, which is producing about 6 cwis. of ore per fm. There is no alteration to notice in any other part of the mine. We are busily engaged dressing and preparing to sample our lead ore to-morrow, which we calculate to be about 11 tons.

CHOLLACOTT CONSOLS.—Since our meeting, on Oct. 29, we have explored, by

calculate to be about 11 tons.

CHOLLACOTT CONSOLS.—Since our meeting, on Oct. 29, we have explored, by costeaning, all the ground necessary to weat of the cross-course to the west boundary, where the cutting for the railway intersected the various lodes, as described on the surface plan and transverse section, and, therefore, thought it advisable to commence an engine-shaft in the best possible position to command the future operations, both as regards the development of the lodes will act facilitate the prosecution of them at different levels by cross-cuts from the shaft north and south, at the same time being, in my opinion, the most scientific occurate to purse. I should, therefore, the same time being, in my opinion, the most scientific occurate to purse. I should, therefore, has been sunk since Nov. 10 last (sufficient) targe for all requirements), 10 ft. long and 6 ft. wide, well secured with timber of antificient strength. The stratum we have sunk in is a blue killas, much mineralised, and can be sunk for from 9t. to 10t. per fm., no timber required, only the ordinary dividing, casing, &c. We have intersected a very promising lode (called No. 4), it is full 3 ft. wide, composed of quarts,

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you mble parent whee that the the constant of 1 All land and 1 All land 1 A

Papel, mundle, and impregnated with copper ore, and I believe, when seen at the anticipated depth, good results will be affected at an early period. The water is increasing as we proceed with the sinking, and I fear it will be too much to make that expedition with horse-power that is now applied; I should, therefore, recommend the immediate erection of a steam engine (say) from 23-in. to 24-in. eylinders (rotary); this stated ongine will be of sufficient power to answer the present requirements, and if successful on our further development, it will then be applied for drawing, crushing, de. I beg to submit to you specifications of three engines; and any further explanations not embodied in this cursory report I shall be most happy to give, so far as my practical experience in mining or engineering matters will admit.—P.S. I beg to say that I have obtained the lesse of the adjoining lands, on very liberal terms, from Miss Meidrum.—J. Carperan.

fies Meldrum.—J. CARPENTER.

COLLACOMBE.—S. Mitchell, Jan. 19: The sinking of Morris's engine-shaft below
to 73 is progressing favourably. During the last week the 72, west of the western
taft, has been driven 4 ft.; the lode is of a highly promising character, composed or
off quartz, prina, and rich copper ove. The rise in the back of the 50, west of the
restern shaft, has been put up 5 ft.; the lode is 4 ft. wide, composed of capel, quartz
and rich copper, producing saving work. The pitches still look well.

western shaft, has been put up 5 ft.; the lode is ft. wide, composed of capel, quarts, and rich copper, by producing saving work. The pitches still look well.

CWM SEBON.—J. Boundy, Jan. 16: The lode is the esgine-shaft seems to look something better than when I last reported, strong feeders are falling into the lode from the south, the appearance of which I like uncommonly well. I hope to get the shaft down deep enough for the sump, and to commence driving on the course of the lode by the end of the month. The lode in the 60 end west is at present split by a horse of killas; I am inclined to think that in a few fathoms (driving the lode will come together again and form a junction. In the 60 end east no lode has been taken down during the week, but we intend to do so next week. We hope to get the air-shaft cleared down to the 40 by the end of the month. There is no alteration to notice in the appearance of the stopes and other parts of the mine. The dressing continues to progress, and is occupying our best attention.

DEVON AND CORNWALL UNITED.—T. Neill, Jan. 19: Bastard's Level: The stopes west of rise in back of this level, on the north lode, are producing 3 tone of ore per fm.—Middwy Level: In driving east the north lode, are producing 3 tone of ore per fm.—Middle Level: The lode in the winse sinking below this level alworth 13 tons of ore per fm. There is no alteration in any other part of the mine.

DEVON BULLER.—Wm. Neill, Jan. 21: The cross-out in the 55 in progressing.

below this level layworth 3½ tons of ore per fm. There is no alteration in any other part of the mine.

DEVON BULLER.—Wm. Nelli, Jan. 31: The cross-cut in the 36 is progressing satisfactorily. The 56, driving west of the south part of the idde, is looking favourable for being productive. In the 44, driving west, we have intersected a small cross-course, and have again discovered the lode on the west side, which is looking avery promising, and shall, no doubt, in driving a little west, discover a very productive lode; the lode in the rise in back of this level is 3 ft. wide, producing saving work. In the stope in bottom of the 32 west the lode is 3 ft. wide, producing aving work. In the 20, driving west, the lode is 1 foot wide, producing good stones of ore-per ground favourable for exploring. The tribute pitches continue much the same.

DOLWEN.—F. Evans, Jan. 15: The men are proceeding favourably with their bargain. Very little has been done by the lode this week, which is standing to the north. The machinery is working very well.

DRAKE WALIS.—T. Gregory: Betteley's shaftmen are engaged in cutting tripplat in the 90, east of Settleley's, are producing saving work, but the ground is hard. The branches in the 90, wast of Settleley's, are producing saving work, but the ground is hard. The branches in the 90, west of Matthewa's, are a little improved for tha, and the ground is of a more savourable character. In the 90 east there is no change to notice in the 10 east there are four atopes in the back of these levels, producing moderate work. In the 80 east the branches are not an ornductive; we have just intersected a small cross-course in this end, which has disordered the branches at the present time; the stopes in the back of the same level are rather improved, particularly as we open east. In the 70 cross-cut north the ground is improved, and is now set at 51, 10s, per fm. We continue to intersect small branches of copier as we extend north. The stopes in the back of the 60 are producing more in, and, at the pr

time, not so much wolfram. We have no change to notice in the 40 stopes below the 70, west of Betteley's shaft.

EAGLEBROOK.—W. Spooner, Jan. 16: There is great promise in the 10 fm. level driving westwards; it is impossible to see a lode with greater indications of rich indications are constantly going through stones of solid ore, and there may be more on the northern side; the lode is so open that it is very easy to work; the last 2 fms. were driven for 4s, the men clearing out their own staff, and that was an ample price. In the 10 fm. level cast the end is also in better ground; to believe we shall reach the ore there in about 5 fms. but being hard the progress is slow. In the bottom of the adit level, west of engine-shaft, there is a fine underhand tope from the shaft westwards; it is necessary to stope it this way, because the ore lose not come down to the 10 fm. level, but slopes off at about 5 fms. to the north lode. The copper ground near the east shaft is very rich in places; there is a great lead of copper broken down, after drawing which, and stoping as far eastward as it lasts, it will be prudent to sink again, as it is a most promising lode. There was a frost last week, which hindered the dressing of ore, but there are 12 tons sent down, a good pile spalled, and a large quantity underground, which will be drawn up and dressed as quickly as the very small number of hands will allow.

EAST CARN BREA.—Thos. Glanville, Jan. 20: The engine-house is finished, and we are new waiting for the engine. The lode in the addit level, driving east of the engine-shaft, is 2 ft. wide, composed of gossan and copper ore, with every appearance of producing a rich deposit of ore at a deeper point.

EAST HENDER.—Mark Reed, Jan. 16: In the past month the east shaft has been within the cast shaft has been wi

If producing a rich deposit of ore at a deeper point.

EAST HENDER.—Mark Reed, Jan. 16: In the past month the east shaft has been unit if fig. 11: In you have you had so many and a small quantity of copper ore—now down below did t 7 ms. 2 ft. 2 in. The cross-cut south from the west shaft has been driven by four men 6 ms. 2 ft. 4 in., at 35s. per fm.; we have now solt lat 43s, per m. In the past week we have intersected a lode, about 15 inches wide, of kindly appearance, producing some good copper ore; this is the second lode we have cut in driving 10 fms., and which, from the underlie, will fall in with the main lode about the 30 below adit. I hink it very desirable that we should continue the cross-cut south to intersect the different lodes. We have two men driving cast, on East Hender lode, at 35s. per fm., and wo man cutting down the side of the level, near the east shaft, to prove the lode that netresected East Hender lode in that place; as the may not long set to work, I annot speak of any alternation.

Note that the state of the second loge we have not long set to work, I annot speak of any alternation.

intersected East Hender lode in that piace; as the mean have not long set to work, I cannot speak of any alteration.

N. Clymo, Jan. 19: We are driving south on a cross-course with four men. We have accidently cut two lodes, one about 18 in. wide and the other about 28 feet wide, the ground is very favourable, price per fathom 27.2s.; the lode we are driving for 1s about 20 fms. farther south. We are driving east by two men on the course of the lode; it is about 28 feet wide, composed of mundic and spar. We are driving on a branch by the eastern shaft about 3 or 4 in. wide, spots of yellow copper ore and mandic.

EAST ROSEWARNE, J. Debridge, J. James, Jan. 16: The sumpmen have fixed the 13-in. ilft, and are now making every preparation for sinking below the 33. The ends throughout the mine are without change to notice. Our tributes are much as last reported.

EAST TAMAR CONSOLS.—G. E. Tremayne, Jan. 19: The engine-shaft is 6 fms. below the 30 fm. level, the lode in which is 3 ft. wide, principally composed of fluor and hornspar, worth for lead 15 cwts. per fm., and still promising further improvement. The lode in the 30 fm. level, south is 2 ft. wide, promising further improvement. The lode in 180 fm. level south is 2 ft. wide, composed of capel and fluor-spar, and worth 6 cwts. of lead per fm. In the 20 fm. level north the lode is 2 ft. wide, producing rich stones of lead. In the deep adit level we have placed the men to rise to the shallow adit for ventilation. The lode in the rise is 2 ft. wide, composed principally of capel, and will yield 10 cwts. of rich sliver-lead ore per fm.

EAST WHEAL FALMOUTH.—Wm. Burrows, Jan. 20: We have not yet cut the lode in the 30 cross-cut going west, but water is coning out in great quantities; therefore, I think we are not far from it. In the 20 north, on Chennall's lode, the end is worth ½ tone flead ore per fm. Northey's stopes, in back of this level, are worth 12½ tone per fm. Tippett's stopes, in back of the same level south, are worth 10 cwts. per faathom.

per fix.; and Deeble's stopes, in back of this level, on the old lode, are worth 10 ewts. Per fathom.

EAST WHEAL BUSSELL.—J. Goldsworthy, Jan. 21: The ground in the 88 is improved for driving. I hope we shall meet with the alide in a day or two which is seen in the 56 above; east of which, in the 50, there is a easy chunnel of ground. We have met with a slide in the 66, which was the cause of splitting the lode. We have driven through the slide, the lode on the east of which is more compact, looking very promising, and producing a little ore. The stope east of Williams's winze is worth about 2½ tons per fm.; in the bighest part of this stope we have the ore, which is about 15 ft, below the 55. The ground in the winze in bottom of the 55 is easy for sinking; the lode is poor at present, but of a more promising character than when we commenced to sink. The tribute pitch in the bottom of the 55, west of Williams's winze, is worth 2 tons per fm. We have a tribute pitch in the back of the 55, which we winze, is worth 2 tons per fm. We have a tribute pitch in the back of the 55, where the men are getting good wages, and also a pitch in the back and bottom of the 45. I hope to commence the sinking of Homersham's shaft below the 66 next month. We are also getting on favourably with the dreasing. We have now on the floors, grushed and prepared for crushing, from 23 to 25 tons of good quality copper ore.

EAST WHEAL TOLGUS.—Redruth Consols Lode: The lode in the 46, driving east from the engine-shaft, is 15 in, wide, containing a small quantity of ore. The lode in the 12, driving east from the engine-shaft, is 16 in, wide, yielding good stones of ore, and some saving work for tin, but not rich. The lode in the stope in back of the 12 is 2 ft. wide, chiefly consisting of killas. The lode in the rice in back of the 12 is 2 ft. wide, chiefly consisting of killas. The lode in the stope in back of the 12 is 2 ft. wide, chiefly consisting of killas. The lode in the stope in back of the 12 is 2 ft. wide, chiefly consisting of k

spots of ore.—Jan. 16.

FEE DONALD.—J. Muffett, Jan. 15: The lode in the rise over the sinking is much better then when last reported, and looking promising to continue. We have commenced the sinking behind level B end, which is 7 time, west from the rise; the lode is very wide, and producing ore throughout. I am glad to say the mine is looking more promising than it has done for some time past.

is very wide, and producing ore throughout. I am gind to say the mane is looking more promising than it has done for some time past.

GABREG.—John Trevethan, Jan. 21: The lode in the 60, driving south, continues very promising, and produces good stones of lead ore, intermixed with carbonate of lime and limestone. The east and west lode, on which we are driving west, presents a very favourable character, and occasionally yields good specimens of lead: we expect a greater improvement in this lode in driving a faw fathoms further west.

GAWTON COPPER.—J. Gill, Jan. 20: In the 50 good progress is still being made in driving, and the lode has become more settled; now 2 ft. wide, producing occasionally good stones of copper ore, and, from its present appearance, is likely to improve. In the 38 end the ground is much more favourable for driving; present price. 34, per fm.; the lode still contines large, worth 94, per fm. The stopes in back of the 36 are worth 204, per fm. The stopes in back of the 36 are worth 204, per fm. The stopes in the back of the 80, east of Union shaft, are worth about 61, per fm. We have one pitch working west of Cornish's shaft in the 24, worth 84, per fm.; two pitchs working east of the dump shaft in the 17, valued at 64, per fm.; two pitchs working east of Hannah's shaft, on the middle lode in the 17, valued at 10, sep fm;; and three pitches working east of Daniel's shaft, in the 24 and 39 fathom levels, valued at an awarage of 31, 10s, per fm.; and three pitches working east of Daniel's shaft, in the 24 and 39 fathom levels, valued at an awarage of 31, 10s, per fm.

werage of 31. 10s. per fm. GREAT SHEBA.—J. Spargo, Jan. 21: The bunch of ore we are stoping away in ne back of the 49 still oputiones under the 40, and appears dipping after the eastern

nn mer nie in backs of this level the lode is 15, ft. wide, producing 2 none profile. In 18th the lode in the eastern end is 15, wide, will theordered, and split the branches, but producing some good ore. The stopes and guidens are locality will.

OREAT WEST SORTHOUGH.—James Richards, Jan. 31: There is no siteration of the state of the producing will.

OREAT WEST SORTHOUGH.—James Richards, Jan. 31: The lode in the 180, west of Copper-house shaft, is a ft. wide, worth 41, just fm. In consequence of having some little alteration to Copper-house end, is a ft. wide, worth 41, just fm. In consequence of having some little alteration to Copper-house end, is a ft. wide, worth 41, just fm. In consequence of having some little alteration to Copper-house and the ward of the lode of the state of th

Meny to do much better in depth.

MOLLAND.—Thos. Bennetts, Jan. 20: The stopes in back of the 20 cast are worth 51. 10s. per fm.—ground moderate. A slide has made its appearance here, but whether it will heave the lode or not remains yet to be proved. This, however, we shall accertain in a lew days. The engine-shaft is cut down and timbered to within 3 fms. of the 20 level. The remaining 3 fms. will, I expect, come away speedily; so that I hope we shall soon be in a position to commence sinking below the 20. The engine works as usual—very well.

NANTERAL AND REMAINS.

works as usual—very well.

NANTEOS AND PENRHIW.—H. Boundy, Jan. 19: There is no particular alteration in the appearance of the mine since last report. The stopes throughout continue to yield their usual average of ore. The two men that were stoping in the bottom of the 10, sast of the winze, I have put to stope in the back of the 20, under the point that we have been stoping above. We are obliged to suspend the sinking of the winze below the 30 until the 36 fm. level is driven under it, on account of cutting a large stream of water, and put the men to stope in the back of the 30. All the surface operations are now proceeding very satisfactorily.

NEW CROW HILL, Jun. 16. The lock in the 23 cast is good for lead for about

NEW CROW HILL. Jan. 16: The lode in the 22 cast is good for lead for about 8 or 9 im., and the rest is rich for blende. The lode in the 15, west from cross-cut at the west shaft, is kindly, and yielding a considerable quantity of mandie. The stopes in back of the 22 are yielding blende, and the pitch in the 15 is looking favourable. We have exampled a parcel of lead, the assay of which gives 11½ for 25, or 37% per cent. of lead, and 40 os. of silver in the torn of ore, or 50% ozs. in the ton of lead. We have more lead to dress, but could not get it ready in time.

NEW TRELEGOR I. Prince 18: 18: The disking of the analysis of the a

We have more lead to dress, bilt could not get it ready in time.

NEW TRELEGH.—J. Prince, Jan. 18: The sinking of the engine-shaft is going on without intermission, and judging from the indications in the 50 cast, the lode, when it is cut and opened upon in the said shaft, will be found productive. The lode in the 50 east has not been taken down, but some part of it has been broken, and it produced strong yellow copper ore, accompanied by blende (black jack) of a favourable description. The end is more wet than it was, which is a favourable description. The end is more wet than it was, which is a favourable of the said of

there were nothing else in the mine to warrant the outlay.

NORTH BASSET.—Thos. Glanville, Jan. 19: Tutwork Setting: The 102 to drive west of Lylo's shaft, by six men. at 11. per fm.; lode 2ft. wide, yielding stones of ore. The 82 to drive west of Lylo's shaft, by six men, at 41. los, per fm.; lode yielding 1 ton of ore per fm. The 72 to drive west of Grace's shaft, by four men, at 81. los, per fm.; lode unproductive. Grace's shaft to sink under the 72, by nine men, at 184. per fm.; lode yielding 4 tons of ore per fm. The 62 to drive west of Grace's shaft, by four men, at 124, per fm.; lode unproductive. The 62 cores-cut to drive north of Grace's shaft, by six men, at 124, per fm. The 52 to drive west of Grace's shaft, on the field to he yield in the shaft of the south lode, by four men, at 44. per fm.; lode unproductive. The 52 to drive west of Grace's shaft, on the field to he yield in the south lode, by four men, at 44. per fm.; lode yielding 1 ton of ore per fm. The 42 to drive west of the south lode, by two men, at 124, per fm. The 42 cross-cut to drive west on the flat lode, by four men, at 44. per fm.; hode yielding 1 ton of ore per fm. The 42 to drive west of the south lode, by two men, at 124, per fm. The 42 cross-cut to drive south of the western shaft, by four men, at 44. per fm.; The 42 cross-cut to drive south of the western shaft, by four men, at 44. per fm. The 42 cross-cut to drive south

cross-course. We are now engaged in clearing the winse from the 40 to the 50, which has been full of orey stuff; another week will show more of the stopes under the 40. The other parts of the unite are without any material alteration. The drawing machine in nearly completed at kelly Hole, and I hope in about a week to resum our ninking with all possible speed.

GREAT SOUTH TOI.078.—J. Daw, Jan. 20: The 80, west of new shaft, is suspended until we sink Lyle's shaft to drain this level. The new engine will work bonday. In the 40 the lood is 2 few wide, producing 3 tons of copper ore per fathous. In the 40 the lood is 2 few wide, producing 3 tons of copper ore per fathous. In the 30 the lood is 2 few wide, producing 3 tons of copper ore per fathous. In the 30 the lood is 2 few wide, producing 2 tons per fm. In the 70, to as the north indeed ittle has been done, the men having been employed in putting in air-pipes; the lood in the asstern end is 1 ft. wide, still disordered, and split into branches, but producing some good ore. The stopes and plitches are looking well.

GREAT WEST SORTHIGGE.—James Richards, Jan. 21: There is no alteration worthy of notice.

GREAT WHEAL ALFRED.—M. W. Michell, W. Sugelbole, Jan. 16: The loods in the south part, will be some require, and be of its former value. In the 20, east of the sugerise-shaft, will be holed in the complex of the look of the producing stope of the produc

ap progressing favourany, and the outarement of the ground in good for minori. The gittlethe throughout the mina are spiritum, 16. The spiritum throughout the mina are spiritum. The spiritum throughout the mina and the spiritum throughout thro

We shall be able shortly to send another small parael of ore to market.

PORKELLIS UNITED.—J. B. Wilkin, Jan. 16: Goatley's shaftmen are cutting plat in the 56. The 45, east of Goatley's, opens tribute ground, worth from 71. to 81. per Im. The 24, east of stamps shaft, on Jenkin's branch, has passed a cross-course, and the ground has improved for driving; the lode in the end is worth 101. per Im., should this continue it will sugment our returns of tin considerably.—Moyle's and Date's Lodes: The cross-cut driving north io. intersest Wheal Ash shaft progresses favourably. Wheal Ash shaft, to Date's lode, is worth 61. per Im.; in the same level west the lode not taken down, but producing good stones of tin on the outside. The 12, west of Thirly's shaft, on Date's lode, has been worth 61. per Im., now not quite as good; the stopes in the base of this level are worth 201. per Im., atoping at 15s. per Im.—Brenton's Lode: Parry's shaft, sinking below the 22, progresses favourably. The tribute department is much as usual. the stopes in the back of this level are w Brenton's Lode: Parry's shaft, sinking be bute department is much as usual.

PRIDEAUX WOOD.—J. Puckey, Jan. 19: The lode at the engine-shaft is at present poor. In the 34 end east, within the last few fathoms, the lode has a little improved, and is now producing saving work for tin. It is also letting out water, which enabled us on Saturday last, our setting-day, to set a new winze to sink from the 44 in tin. Nothing clse new.

enabled us on Saturday last, our setting-day, to set a new winze to sink from the 1st in in. Nothing else new.

PROVIDENCE.—A. Anthony, Jan. 20: The lode in the 125, west of Higgs's shaft, is 20 in. wide—poor. The lode in the 55, west of Higgs's shaft, is 18 in wide—poor. The lode in the 75, east of Higgs's shaft, is 2 ft. wide, worth 50t, per fm. The lode stoping in the back of the 75, east of Higgs's, is 4 ft. wide, worth 10t, per fm.; the stopes under are 4 ft. wide, worth 70t, per fm. The cross lode stoping in the 75, east of Higgs's shaft, is 6 ft. wide, worth 80t, per fm. The lode stoping in bottom of the 605, east of Higgs's shaft, is 3 ft. wide, worth 80t, per fm. The lode in the bottom of the 605, east of Confort lode, on a limb of the earbona, is 18 in. wide, worth 8t, per fm. The lode in the 12, east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 12, east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 12, east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 12, east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 12, east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 12, east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 12, east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t, per fm. The lode in the 5t east of Dunstan's shaft is 2 ft. wide, worth 6t east of Dunstan's shaft is 2 ft. w

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the dispiper hable fis To, To such the fathous invols. The timbersoms have required the while-shall become, a few and fin, and are now seasing the carpentures to event the while-shall become, and the state of the shall be and the state of the shall be and the state of the post of the shall be and the state of the shall be and the state of the post of the shall be and the state of the shall be and the shall be and the state of the shall be and the shal

stopes and pitches continue to yield a fair quantity of mineral, and shall sample tomorrow (Thursday) 360 tons of good quality ore.

TREWANE UNITED.—R. Reynolds, Jan. 19: Since last report we have cut the east and west lode in the 33, which is from 8 in. to 1 ft. wide, producing a quantity of mundic and lead, but not enough of the latter to vaine. We intend to open a little both east and west on its course; and, as there are two or three branches containing lead that will fail in with the lode in a short distance driving east, an improvement may be expected at that point.

TREWETHA.—T. Richards, W. Rowe, Jan. 20: The engine-shaft is now 8 fms. 4 ft., below the 70. The 70 end north is worth 4i, per fm. The north end men are now engaged rising against Govettle, which we calculate to hole in a day or two. The 60 end north is without change. The 50 end north is still poor; the winze in the bottom of the 50 north is worth 4i. 10s, per fm. The stopes are producing well.

UNITED MINES.—J. M. Champion, Jan. 19: The south lode in the 36 is worth for tin 17i, per fm. The north lode, on the same level, is worth about 7i. 10s, per fm.; these lodes are continuing their regular size, but they have not been so producitive for tin for the last 7 feet, but I am glad to say they are again improving in quality. The pitch in the back of the 36, east from the engine-shaft, is worth 10i. per fm. The stope in back of the same level, east from the before-mentioned pitch, is worth full 134, per fathom. I am glad to say that the 36 is the best level that has been on the mine for some time past, and there is every indication of the 45 turning out better than the 36, as the best pert of the lode is in the bottom of the 36, and our 48 will come under it. The ground in the engine-shaft is favourable for sinking, and the stratum congenial for tin.

VALE OF TOWN — T. Ragray, a. Hergay, Jan. 18: An Clay's engine-shaft, sith, 18 (g. ft. wide, producing saving work for shaft) in the same iron sheal the bill hall help, 18 (g. ft. wide, producing areas, and the shaft) in the same iron sheal the bill hall help to the shaft of the shaft, 18 (g. ft. wide) in the shaft of the shaft, 18 (g. ft. wide) in the shaft of the shaft, 18 (g. ft. wide), 18 (g. ft. wide) in the shaft of the shaft, 18 (g. ft. wide), 18 (g. ft. wide) and 18 (g. ft. wide), 18 (g. ft. wide) and 18 (g. ft. wide), 18 (g. ft. wide) and 18 (g. ft. wide), 18 (g. ft. wide) and 18 (g. ft. wide), 18 (g. ft. wi

prioss reminde for our one at Totrons being lower than we have had reason from our watershalt to send the fairure estangs to Swaness. In conditions, we cannot confirm a christality to send the fairure estangs to Swaness. In conditions, we cannot confirm the confirmation of the confirmation of the control of the confirmation of the confirmation

— J. Hampton, Jan. 19: I think I told you in my last that I would let you know the result of the assay of the sample I took from the smalls, all as it came from the end at this mine, which is 4%. This is very gratifying indeed, and worth nearly, if not quite, 44. per ton without being dressed. The lode, in going towards the hill, is assuming a compact form, and increasing in value.

The mine of Balleswidden (including the setts, materials, and the whole of the tin now raised) was offered for sale at the Three Tuns Hotel, on Monday afternoon, by Mr. G. H. Bellringer. A price was fixed for the tin and unused materials, and one of the conditions of the sale was that they should be taken at 2501. Another condition of sale was that the vendors should be at liberty to take any portion, not exceeding a molety, of the mine at the selling price: 101. was at first bid by Mr. T. Coulson, and this rose to 401. Mr. Millett (who attended for the vendors) complained that this was trifling with a valuable property. Mr. Coulson then named 10901, but Mr. Millett considered this so far from the mark that he mentioned 10,0001, as a reserved bid, and the sale was quickly closed.—Cornish Telegraph.

London and Virginia Gold and Copper Mining Company.—2260 forfeited shares were submitted for public competition, by auction, on Monday, by Mr. Johnson—140 shares, upon which 14s. 6d. per share had been paid; 985, 13s. 9d. paid; and 1135, 12s. 6d. paid. The whole were put up in lots of 20 shares, and bought in by the directors at a nominal price. They were subjected to calls of 2s. 6d., 2s. 2d., and 4s. 6d. per share. The sale appeared to excite very little interest, no bons fide bidders being in attendance.

COPPER. S. s. d.	BRASS. Per 1b.
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itto white 27 0 0-30 0 0	Wetterstedt's Pat. Met p.ewt. 2 2
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At the works, is.	to is, 6d, per box less.

acted, which has been the means of considerably stiffening prices, and enabling sellers, in many instances, to obtain higher rates. There is now enabling senters, in many instances, or count as not undergone a complete scarcely any metal in our market but what has not undergone a complete change; from the very depressed state in which everything had fallen, the demand has so much improved that in a great measure merchants feel satisfied with present enquiries, and, judging from appearances, there is every prospect of a still further improvement in the demand for metals

a. —The enquiries for shipment have continued to increase, orders COPPER.—The enquiries for shipment have continued to increase, orders have been executed freely at current rates, and smelters are better supplied with work than for some time past; no second-hand parcels are to be met with, consequently nothing is attainable under fixed quotations. Holders of foreign qualities are much firmer; sales have been effected at rising prices; Burra Burra may be quoted at 1091, to 1101, per ton: 1209 tons of ore were sold at Swansea on Jan. 19; average standard 1041, 3s. 4d.; the quantity for sale Feb 9 is 1004 tons.

IRON.—The advanced prices established in English iron have been fairly supported. Rails are still saleable at 61, 10s. to 61, 15s., and merchant bars at 61, 10s. A contract for merchant bars is reported at 64, 15s., but the more general quotation for ordinary sizes is 61, 10s., f.o.b. at the works. In second-hands, a few parcels remain that might be purchased

but the more general quotation for ordinary sizes is 61. 10s., f.o.b. at the works. In second-hands, a few parcels remain that might be purchased at 61. 7s. 6d. Staffordshire descriptions are but in moderate request, no disposition, however, is evinced on the part of makers to grant any further concession upon last quarter-day's quotations. Swedish bars of Indian assortments are mostly held at 141. to 151.; buyers having choice of sizes from stock in London are charged 161. 10s. to 171. In Scotch pigs there has been a very quiet market, prices having a slight tendency to droop—sellers on 'Change to day quoting 54s. 6d., mixed numbers, g.m.b. f.o.b. in Glasgow. f.o.b. in Glasgow.

LEAD.—The smelters are realising better prices, and appear rather in-different about taking orders for any large parcels. Prices are quoted about 10s. to 15s. per ton higher, there being buyers at 22l, and sellers at 22l, 5s. to 22l, 10s. per ton. The market seems to be steadily increasing in firancess, and it is not improbable we may see shortly a considerable improvement in this metal.

improvement in this metal.

SPELTER.—Some few parcels have changed hands at 251. 10s. to 261. 10s., being about 20s. per ton increase on last week's quotations. Small lots of Silesian are not to be met with under 271. to 271. 10s., the market closing steadily at these rates. The demand for shipment continues limited.

TIN.—On Jan. 20 the smelters of English announced a rise of 51. per ten on all descriptions; this moderate advance brought the price nearly even with foreign, but retaining a slight advantage in purchases for English; newstheless the smelters now will only accompadate the results.

ten on an austrapacia, the smallers now will only accommodate the regular even with foreign, but retaining a slight advantage in purchases for English; nevertheless, the smelters now will only accommodate the regular consumers with limited parcels, stating their stocks to be insufficient for all the requirements of the trade, and can only supply from hand to mouth. Whether this is really the case remains to be seen, but it very often proves that it is merely a test to ascertain the exact feeling entertained by holders of foreign, but if we take the opinion of the principal holders of Straits and Banca we shall have a much higher market.

TIN-PLATES.—Makers of best brands require 28s. per box, IC coke, f.o.b. in London; other brands 6d. to 1s. per box lower.

STERL.—Swedish keg, rolled quality, 17l.; small lots, 18l.

LIVERPOOL, JAN. 21.—There has been scarcely so much enquiry during the last few days for metals generally, and the feeling in the market is somewhat weaker. The demand which was observable a week ago appears to have been freely met, and for the present, therefore, the disposition to purchase is limited; in the meantime, prices show no change. Scotch Pig-iron has been almost neglected during the week, and prices have gradually given way; our quotations show a decline of 1s. per ton. Shipments continue to be fair, being 8089 tons, against 7426 tons for the corresponding week of last year. An advance of 5t. per ton in the price of Tin was announced yesterday; the demand for English is moderately good. Tin-plates have not been so much enquired for during the past week; quotations remain without change. Copper appears to be in somewhat improved request, and present rates are well supported. In Lead there is no alteration. The following are the quotations:—Iron: Merchant bar, 7t. per ton.—Tin: Common block, 113t. per ton; common bar, 114t.; refined block, 116t.—Tin-plates: Charcoal, 1C, 32s. 6d. to 33s. per box; coke, IC, 27s. to 28s.—Lead: English sheet, 23t. per ton; English pig, 22t.—Copper: Cake and tile, 107t. 10s. per ton; best selected, 110t. 10s. per ton; sheathing and bolt, 1s. per 1b.—Yellow metal sheathing, 10d. per lb.—Steel: Blistered, 30t. to 40t. per ton; spring, 18t. to 24t.; cast and shear, 50t. to 60t. LIVERPOOL, JAN. 21.-There has been scarcely so much enquiry during

GLASCOW, JAN. 21.—Since our last the price of pig-iron has declined about 1s. 3d. per ton, business having been done to-day at 54s. 6d., four-teen days open. Orders seem to have ceased to come in for the present, and dealers seem afraid to go into stock. No. 1, Gartsherrie, 59s. 6d.; No. 1, g.m.b., 54s. 6d.; and No. 3, g.m.b., 52s. 3d.

URANIUM.-In Saxony, uranium ore (pitch blende) realises from 11. to 37. 10s. per cwt.; so that supposing the highest price to represent the best quality ore, which is nearly pure pitch blende, containing about 80 per cent. of the oxide of uranium, the price per ton of 21 cwts. would be 7871. 10s., and that of ore containing 25 per cent. of the oxide 2461. per ton.

The MINING SHARE MARKET opened well on Monday, and through, out the week it has fully maintained its favourable position. The enquiries, both for dividend and speculative stock, have been numerous, and quiries, both for dividend and speculative stock, have been numerous, and advanced prices have in most instances been obtained. The rise in the price of tin, to the extent of δl . per ton, announced on Wednesday, had a marked influence upon shares in mines producing that metal, and as the feeling exhibited by the holders of Banca and Straits justifies the anticipation that English qualities will further advance, the prospects of tin mines generally would appear much more encouraging. Although the improvement in copper mine shares is not yet so apparent, the fact of the standard having advanced 4l. on Thursday, together with that of there being an improved demand for the metal, and no second-hand parcels in the market, must speedily affect them in an equal degree. Great Wheal the market, must speedily affect them in an equal degree. Great Wheal Busy, for the first time during the present working, will stand at the head of the Ticketing list next week, for 629 tons; this looks well, considering the short period which the adventurers have been at work. Tresavean, which up to 1855 produced good dividends, is about to change hands, and it is hoped that under fresh management, and with additional capital, its ormer prosperity may be revived. The Devon Great Consols declared a

dividend of only 71. per share, in consequence of their samplings having been reduced during the depression in the standard, but we may now look forward to a reaction; this dividend raises the amount paid on each 11. share to 6021, and the balance in hand exceeds 22,0001. The cheapness of money is at last influencing speculators, and one or two enterprises which have long remained in abeyance now brought forward have been favourably received; indeed, the embarrassments which have been so severely felt appear to have now passed over, and the period of prosperity which has so long been looked forward to would appear to be on the eve of commencing.

verely felt appear to have now passed over, and the period of prosperity which has so long been looked forward to would appear to be on the eve of commencing.

Trelawny shares have been largely dealt in, buyers at 26 \(\frac{1}{2}\). Mary Anns at 48 to 49; Alfred Consols, 12\(\frac{1}{2}\) to 13\(\frac{1}{2}\); Margery shares are still in demand, at 7\(\frac{1}{2}\) to 8\(\frac{1}{2}\). Herodsfoot sought after, at 7\(\frac{1}{2}\) to 8\(\frac{1}{2}\), the dividend on the 27th is expected to be 12a. 6d. Kitty (Lelant), 11 to 12, and in fair demand; Great South Tolgus, 15 to 16\(\frac{1}{2}\); South Frances very flat, at 185 to 190. South Tolgus in great demand, at 14\(\frac{1}{2}\) to 15\(\frac{1}{2}\), being a rise of 2\(\frac{1}{2}\) in a few days; the mine is looking well, and bids fair to pay good dividends before the year is out. Grambler and St. Aubyn, 85 to 95, and in demand; North Frances rather flat, at 10\(\frac{1}{2}\) to 11\(\frac{1}{2}\), although the mine is looking very much better; East Basset, 92\(\frac{1}{2}\) to 97\(\frac{1}{2}\); Basset advanced to 170, and sought after; Par Consols, 18 to 19, and enquired for; Cwm Erfin, 8 to 9. Wheal Grenville, 1\(\frac{1}{2}\) to 1\(\frac{1}{2}\), and in good demand; this mine bids fair to be one of the prizes of the year. St. Day United, \(\frac{1}{2}\) to 3\(\frac{1}{2}\), to at 3\(\frac{1}{2}\), and in good demand. Wheal Harriett sought after, at \(\frac{1}{2}\) to 3\(\frac{1}{2}\), to mine is looking much better. West Grenville, 4s. 6d. to 5s. 6d.; Hender, 2 to 2\(\frac{1}{2}\); Itady Bertha, 21s. to 22s., and in fair request; Carvannal has been largely dealt in, at 2\(\frac{1}{2}\) to 3\(\frac{1}{2}\), being an advance of 30s. per share; Trewetha, \(\frac{1}{2}\) to 3\(\frac{1}{2}\), to 18\(\frac{1}{2}\); South Carn Brea shares are still sought after, at 5\(\frac{1}{2}\) to 5\(\frac{1}{2}\); South Carn Brea shares are still sought after, at 5\(\frac{1}{2}\) to 5\(\frac{1}{2}\), south Carn Brea shares are still sought after, at 5\(\frac{1}{2}\) to 5\(\

Mining Exchange Official List of transactions during the week :-

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SATURDAY, JAN. 16.—Cargoll, 13 to 15; East Basset, 92½; East Russell, 3; Garrer, 20a.; Great South Tolgus, 15 to 15½; Lady Bertha, 18s. 6d. to 19s. 6d.; Sortridge Consols, 1½, 1½, 15. s. 6d.; South Caradon, 355; Tamar Consols, 20s. to 21s.; West Basset, 25, 22½; 24½, 25; West Caradon, 110; Wheal Harriett, 6s. to 7s. Monday.—Cargoll, 15; East Basset, 91½, 92½, 94; East Russell, 3 to 3½; Great South Tolgus, 15, 15½; 12 to 18½; Pendeen, 3, 35, 3½, 3½, 3½; Sortidge Consols, 1½, 1½, 14. 6s. 3d., 14. 7s. 6d., 1½, 1½; Tincroft, 3½ to 3½; West Greaville, 4s., 4s. 6d., 5s., 4s.; Wheal Basset, 15½, 162½; 167½; Wheal Greaville, 29s., 30s., 32s., 6d.; Wheal Trelawny, 20½, 27, 27½.
TURSDAY.—East Russell, 3; Herodefoot, 7½, 7½, 7½; Margery, 8, 3½, 8½; Sortidge Consols, 25s. 3d. to 27s. 6d.; West Basset, 25, 25½, 25½; West Grenville, 4s. 3d., 4s. 6d., 4s. 9d.
WEDNESDAY.—Drake Walls, 1½ to 1½; Gawton United, 15s. to 16s.; Great Alfred, 4½ to 4½; Kelly Bray, 1½ to 1½; Margery, 8 to 8½; Par Consols, 17½ to 18½; Pendeen, 3½ to 3½; Sortidge Consols, 27s. 6d., 3d., 37s. 3d.; 8b. Day United, 20s.; West Basset, 23½ to 25½; West Grenville, 4s. 3d. to 4s. 8d.; Whosl Grenville, 23s. 6d. to 28s.; Wheal Trelawny, 20½, 27½; 27½.
TRURSDAY.—Carvannal, 3½; 3½; 3½; 15g; Lady Bertha, 20s. 6d. to 21s.; North isaset, 15½, 15½, 14½, 15; 15; Lady Bertha, 20s. 6d. to 21s.; North isaset, 15½, 15½, 14½, 15; 15; Lady Bertha, 20s. 6d. to 21s.; North isaset, 15½, 15½, 14½, 15; 144, 15; Par Consols, 18 to 18½; Pendeen, 3½ to 3½; West Branay.—Relly Bray, 21s., 20s., 21s.; Margery, 7½, 8, 7½, 7½; West Grenville, 28s. 29s., 30s.; Wheal Harriett, 7s. 6d. to 10s.; Wheal Trelawny, 27, 27½, 8, 8½; Pendeen, 3½, 3½, 33; Sortridge Consols, 26s. 3d., 27s. 3d., 30s.; Vest of Towy, 16s. to 17s.; Wheal Grenville, 1½, 1½; Lady Bertha, 20s., 24½; Wheal Elion.—Relly Bray, 21s., 20s., 21s.; Margery, 7½, 8, 7½, 7½, 8, 8½; Pendeen, 3½, 3½, 33; Sortridge Consols, 26s. 3d., 37s. 3d., 30s.; Vale of Towy, 16s. to 1

On the Stock Exchange, the following business has been transacted :-SATURDAY, JAN. 16.-North Wheal Basset, 13% to 14%; South Wheal Frances

SATURDAY, JAN. 16.—North Wheal Basset, 13% to 14%; South Wheal Frances, 90. ex div.

MONDAY.—Alfred Consols, 13 to 12%; North Wheal Basset, 14%; Par Consols, 8½; South Cara Brea, 5½ to 5%; Cobre, 42% to 42; United Mexican, 5, 4%, 4%. Tursday.—North Wheal Basset, 14%; Vale of Towy, ½; Wheal Kitty (Lelant), 1½; Wheal Trelawny, 27½; Cobre Copper, 42%, 42%, 43; Dun Mountain Copper, 1 United Mexican, 42.—Transactions, though not officially marked: South Tolgus, 4½ to 15½; North Braset, 14% to 15½; West Basset, 25; Wheal Trelawny, 27 to 7%; Wheal Edward, 7½; Wheal Kitty (Lelant), 11 to 12; Tincroft, 3½ to 4; Penden Consols, 3½; Lady Bertha, 21s.; Wheal Margaret, 48; South Tolgus, 125; Par Jonesia, 18 to 15½; Vale of Towy, ½; East Bassell, 2½ to 3; Virtuous Lady and Wheal Bedford, 21s. 5d.; Herodofoot, 7½; Wheal Bedford, 5½; Devon Great Consols, 425; Alfred Consols, 13.

WEDNEADAY.—Alfred Consols, 13½; Par Consols, 18½; Tincroft, 3½; Wheal Kitty (Lelant), 12, 11½, 11; Wheal Trelawny, 27½ to 27½; Brazilian Land and dining, 2½; Cobre Copper, 42; Pontgibaud, 5½; United Mexican, 4½ to 4%.

Turusday.—Great South Tolgus, 15; South Cara Bress, 5½ to 5½; Wheal Kitty (Lelant), 12; Wheal Kitty (E. Agnes), 3½ to 4; Wheal Margaret, 48; Par Jonsols, 18½; Tincroft, 4; St. Day United, 20s.; Calvadnack, 5; Providence Mines, 3 to 55; Bosecan, 75; Drake Walls, 1½; Wheal Trelawny, 26½ to 27; Imperial Brazilian, 1½; Porvidence Mines, 3 to 55; Bosecan, 75; Drake Walls, 1½; Wirthous Lady and Wheal Bedford, 22s.; Porkevills United, 4.

Faiday.—Par Consols, 18½; Wheal Kitty (Lelant), 12; Wheal Trelawny, 25%; Providence Mines, 3 to 55; Bosecan, 75; Drake Walls, 1½; Wheal Trelawny, 26% to 27; Wheal Margaret, 48; Par Jones, 3½ to 5½; Cobre Copper, 42.

At Tururo Ticketing, on Thursday, 4018 tons of ore were sold, realising

At Truro Ticketing, on Thursday, 4018 tons of ore were sold, realising 22,435*l*, 2s. The particulars of the sale were —Average standard, 130*l*, 13s.; average produce, 6½; average price, 5*l*, 11s. 6d.; quantity of fine copper, 256 tons 6 cwts. The sale at Redruth, on Thursday, will be 3218 tons.

256 tons 6 cwts. The sale at Redruth, on Thursday, will be 3218 tons. At Swansea Ticketing, on Tucsday, 1209 tons of copper ore were sold, realising 27,2894.7s. Of this 402 tons Springbok fetched 13,0374.11s. 6d.; 182 Wheal Maria, 53454.17s. 6d.; 507 Cobre, 72267.0s. 6d.; 97 Berchaven, 10454.3s. 6d.; 22 Sydney, 1944.14s.; and 19 Namaqua, 3994. Of 97 tons of British averaged 104.15s. 6d. per ton, the produce being 11½; and the 1112 tons foreign averaged 244.0s. 6d., the produce being 25½; so that the whole sale showed—average produce, 24 3-16; average price, 224.19s.; average standard, 1044.4s. The next sale, on Feb. 9, will comprise ores from Cobre, Garrucha, Lazey, Walwich Bay, Almeria, Bampfylde, and Springbok, in all 1004 tons.

At the sale of copper ores at Truro, on Thursday, the standard advance about 41., as compared with the previous sale on Jan. 7. The sale, on Thursday, was the ores of Devon Great Consols and other eastern mines, and the fair comparison is with the previous monthly sale by the same mines. The previous monthly sale took place on December 17, when the standard was as follows :-

Standard. Tons. Produce. .. £124 18 6% £3 130 13 636 4018 5 11 6

The produce being the same at both dates, it is evident that the standard has gone up 51. 15s., and the price per ton of ore 7s. 6d. This upon the total amount sold on Thursday, 4018 tons, makes a difference to the miner of 15061. 15s., which he receives on Thursday's sale, beyond what he would have received if the same ores had been sold a month ago. There is also reason to expect that a further advance of the standard will take place next week.

The directors of the Devonshire Great Consolidated Copper Mining Company, at their weekly board meeting, held yesterday, declared a dividend of 7168L, being 7L per share, out of profits arising from sales of copper cross sampled in the months of Sept, and Oct. last. After payment of the same, there remains in hand a balance of 22,862L 15s. 7d., applicable to the general purposes of the company—the first and second instalments amounting to 10,000L, on account of the fine for the renetalments amounting to 10,000%, or a having been paid to the Duke of Bo

At Wheal Buller meeting, on Tuesday, a dividend of 71. 10s. per share

was declared.

At Great Wheal Alfred meeting, yesterday (Mr. T. Field in the chair), the accounts for Sept., Oct., and Nov., showed — Mine cost, 2843/.188. 9d.; doctor and club, 32/. 148. 9d.; committee, 7/. 17s. 6d.; expenses of deputation, 24/.; discount, 81. 19s. 4d.; stationery and sundries, 6f. 6s.; merchants' bills, 1396/. 118. 7d. = 4320/. 7s. 11d. — Balance last account, 620/. 8s. 5d.; ores sold (deducting dues, 96f. 5s.), 2791/. 6s. 1d.; old from sold, 130/. 15s.: leaving balance against mine 7/1/. 18s. 5d. A call of 3s per share was made. A shareholder enquired whether, as that amount would only just cover cost to the present time, a 5s. call would not be preferable? The Chairman explained that the call provided for the balance standing in the book; they had usually only provided for such balance; they had arrears of calls, and ore bills not at materity, which would come in to meet current wants; and the divided call, even supposing the 5s. to be necessary, would be preferred by many. They were not poverty stricken, and their prospects were better. The report, which is inserted among the mining correspondence, was then read, and a vote of thanks to the Chairman terminated the proceedings.

At North Roskear Mine meeting, on Jan. 12, the accounts showed—Ba-

At North Roskear Mine meeting, on Jan. 12, the accounts showed—Balance last andit, 19731. los. 3d.; labour cost, Oct. and Nov., 14417. is. 2d.; tribute balances and merchants' bills, 6991. 18s. 7d.; lord's dues and water rents, 2054. Ils. 51384. Irs. 51384. Irs. 51384. Irs. 51384. Ils. 51384. Ils. 51384. See and water rents, 2054. Ils. 19734. 9s. 6d. A call of 1t. per share was made. Capt. Joseph Vivian stated in his report that the tribute department, both for the acopper, was without alteration. On the whole, the prospects were favourable, and but for the great reduction in the price of metals there would have been a pretty good profit.

At the New Treleigh Consols Mine first general meeting, on Tuesday Mr. Joseph Procter in the chair), the secretary presented a statement of the accounts, hich were allowed and passed. Some shares are in arrear of the second call, but it hoped from the improved appearance of the mine that the whole of the arrivars will sorthcoming by the 30th inst, that being the time allowed by the meeting for the faulting shareholders to pay the same. Capt. Jown Prince's report is among the lining Correspondence.

Mining Correspondence.

At the Herward United and Brynford Hall Mines meeting, on Tuesday At the Herward United and Brynford Hall Mines meeting, on Tuesday (Mr. W. Bostock in the chair), a resolution was carried to confirm the motion passed on Dec. 13 for the amalgamation of the two companies—the Brynford Hall Company taking all the liabilities of the Herward United upon their paying all arrears of call, and a further one of 64 per share; the shareholders to receive out of the 1200 shares in which the amalgamated company is divided three shares for every one. The full particulars of the alteration now confirmed were reported in the Journal of Dec. 35.

particulars of the alteration now confirmed were reported in the Journal of Dec. 25.

At Wheal Clinton meeting, Jan. 7, the accounts showed—Balance last audit, 593t, 19s. 2d.; mine costs and merchants' bills, Aug. to Dec., 1003t, 18s. 8d.= 1559t, 17s. 10d.—By calls received, &c., and ores sold, 580t, 19s. 7d.; leaving balance against adventurers, 690t, 18s. 3d.

At Wheal Emily meeting, on Tuesday, the accounts showed—Call received, 2000t; mine cost, April to Nov., 092t. 19s. 7d.; cost of engine, 390t.; merchants' bills, 63tl. 1ss. 3d.; leaving balance in favour of adventurers, 25t. 7s. 9d. Capts. H. Niephaps and D. Strickland report that the prespects of the mine are exceedingly cheering, and if they continue to improve as they have since they commenced working on the k-de, no more calls will be required. The engine works remarkably well.

ariably well.

At North Pool Mine meeting, the accounts showed—Mine costs and revenants bills, Sept. and Oct., 10334. 2., 64.—Ores sold, &c., 8354. 12s. 9d.; leaving slance against adventurers, 2024, 9s. 9d.

At West Wheal Damsel meeting, on Monday, the accounts showed—alance last audit, 6694. 0s. 5d.; ores sold (less dues), 15147. 3s. 2d.—21887. 3s. 7d.—line costs and merchants' bills, 18394. 7s. 9d.: leaving balance in favour of adventers, 3434. 15s. 19d.

Mine costs and merchants' bills, 1839, 7.5 ad.: leaving balance in favour of adventurers, 3434. 13s. 10d.

At Bell and Lenarth Mines meeting, on Jan. 12, the accounts showed—Balance last audit, 2381. 15s. 7d.; Labour cost, Aug., Sept., Oct., and Nov., 2334. 16s.; merchants' bills, 1434. 13s. 7d.=643f. 3s. 3d.—Call received, 3784. 13s.: leaving balance against adventurers, 2644. 19s. 2d., to meet which a call of 15s. per share was made. Capt. James Higgins reported that the slaft had been sank on the old Penstruthal lode 7 fms., and the prospects were highly satisfactory. In about two months the 24 fm. level would be driven on, which would be effected at a comparatively small cost, the additional pitwork required being already in stock.

At Wheal Glynn meeting, on Monday, the accounts showed—Balance against mine, 984. 3s. A call of 4s. per share was made. Capt. John Vercen reported that the new leat was in a forward state, and will be completed in two or three weeks, when he suggests that they let all the tribute ground available, and resume fracting, which will give several tons of lead or for market, and help to pay costs.

At Camborne Consols meeting, on Wednesday (Mr. T. Bushell in the chair), the accounts showed—Balance last audit, 1424. 7s. 4d.; Mine costs, August, 2314. 4s. 1d.; Sept., 2454. 9s. 11d.; Oct., 2374. 19s. 4d.; Nov., 2074. 17s. 8d.; sundries, 164. 15s. 10s.; interest on advances, 181. 15s. =11334. 0s. 2d.—Ore sold, Aug., 2324. 9s. 16d. 15s. 10s. 2d.—Ore sold, Aug., 2324. 9s. 6d. A call of 10s. per share was made. At the next meeting it is proposed to increase the number of shares to 6000.

At Wheal Cupid meeting, on Jan. 13, the accounts showed—Labour cost. Sand. 2d. 2d. 2d.—Ore sold. Accounts showed—Labour cost. Sand. 2d. 2d. 2d.—Ore sold. Accounts showed—Labour cost. Sand. 2d. 2d. 2d.—Ore sold. Accounts showed—Labour cost. Sand. 2d. 2d.—Ore sold. Accounts showed—Labour cost. Sand. 2d. 2d. 2d.—Ore sold. Accounts showed—Labour cost. Sand. 2d. 2d. 2d.—Ore sold. 2d. 2d.—Ore sold. 2d. 2d.—Ore sol

A call of 10s, per share was made. At the next meeting it is proposed to increase the number of shares to 6000.

At Wheal Cupid meeting, on Jan. 13, the accounts showed—Labour cost, Sept., Oct., and Nov., 3634, 7s. 11d.; merchante bills, 1664. 11s. 44. =5314. 19s. 3d. cost, Sept., Oct., and Nov., 3634, 7s. 11d.; merchante bills, 1664. 11s. 44. =5314. 19s. 3d. cost, Sept., Oct., and Nov., 3634, 7s. 11d.; merchante bills, 1664. 11s. 44. =5314. 19s. 1d. Capte. J. Vivian and Wm. Pasocs reported upon the operations at the mine.

At the Great Wheal Vor United Mining Company meeting (Mr. J. H. Schneider, M.P., in the chair), the report of the committee of investigation was received, and they were requested to continue their services, and confer with the committee of management. The proceedings are fully detailed in an; her column. At Wheal Uny meeting, on Tuesday (Mr. Hinds in the chair), the accounts showed a balance against the mine of 5394. 3s. 2d. A call of 10s. p.; share was made. The committee of management were re-elected, and the proceedings, which are detailed in another column, terminated with a vote of thanks to the Chairman.

counts showed a balance against the mine of 3394. 3s. 2d. A cail of 10s. p., "share was made. The committee of management were re-elected, and the proceedings, which are detailed in another column, terminated with a vote of thanks to the Chairman. At the Coed Mawr Pool Lead Mining Company monthly meeting, On Thursday, the accounts showed—Balance overdrawn last month, and cost-sheet for December, 3514. 18s. 4d.—Cash received for 27 tons 2 cwts, of ore cold, 4304. : leaving balance in hand, 684. 3a, 8d. The reports from the mine continued favourable. The driving in that lievel also continued to return about 10 cwts, of rich ore per fm. An driving in that lievel also continued to return about 10 cwts, of rich ore per fm. An 5 fm. level, communicating with the 13, had been opened, and found productive. Ore was also being secured from the No. 3 lode, on the Lake boundary, and from the upper ground, and good returns are relied on. The new engine junction shaft, on the Fridd boundary, is being rapidly sunk, and the wheel-pit will be completed by the close of the month. The frost last week had only occasioned a temporary arrest: 71 hands were sgain in full semploy, and ore was being daily secured.

At Pedn-an-drea United Mines bi-monthly meeting, held at the offices, 3, Old Broad-street, on Wednesday (Mr. Chas. Martin in the chair), the committee's report, with that of the local committee held upon the mines on Dec. 18, also those received from Capt. Charles Thomas (of Dolesath Mine) and Capt. Wm. Pascov (of South Frances), and likewise that of the manager and agents upon the mine, having been read, it was moved by the Chairman that they be received, and entered upon the minutes. Moved by Mr. Pulsford, seconded by Mr. Wm. Jardine, and carried unanimously—That the financial accounts, as audited, and circulated with the notice convening this meeting, be inserted upon the minutes, showing an estimated deficiency of 374. 4s. 8d. Moved by Mr. Pulsford, seconded by Mr. Martin, and carried unanimously—That the reliaquishment

At the Duston Iron Ore Company meeting, on Wednesday (Mr. Thos. Biggood in the chair), it was resolved to wind-up voluntarily under the Joint-Stock Companies Acts, 1856-87. The meeting, which was of a most amicable character, and of which a report appears in another column, terminated with a vote of thanks to the Chairman and directors.

The Great Hewas Mines have sold upwards of 16 tons of tin. The nines never looked better than at present.

The West Crinnis and Regent Mines sold 63 tons of copper ore this seek. The works for draining the mines to the bottom are progressing favourably. The new lode at Tretoil has considerably improved during the week, nd is producing from 2 to 2½ tons of rich copper ore per fathom. At Wheal Clifford, the lords of the sett have granted an extension of the case for 2! years, on most liberal terms. They have also agreed to reduce the dues rom 1-18th to 1-20th. The adventurers have also obtained a lease of the adjoining ett of Consols, at the low rate of 1-48th dues.

From South Crenver, Capts, John Delbridge and E. Chegwin (Jan. 19) report—In the 94 west the lode is 2 feet wide, worth 1½ ton per fm. In the 34 west the lode is 3½ ft. wide, worth ½ ton of ore per fm. In the 74 west the lode is 2 feet wide, worth ½ ton of ore per fathom. In the 34 winse the lode is 2 ft. wide, worth 1 ton per fm. In the 44 ries the lode is 20 in. wide, tribute ground. Other things are much as usual. We hope to put the new boiler to work in a week from now.

are much as usual. We hope to put the new boiler to work in a week from now.

The Burra Birra Mine half-yearly report and accounts were published in the Journal of Jan. 9; and to the details then given we may add that the amount of sacertained profits available for immediate distribution was 40,3944, and the directors proposed to pay a dividend in addition, to that on Dec. 2, of 54, on March 3, But when the ore on hand is realised upon, the amount of the total undivided profit will be raised to 93,2014. The entire assets of the association are now set down at 305,044. Of this sum ouly 37,6684, is given as the estimated value of the large landed and mineral properties belonging to the company. These include their molety of the Burra special survey, 11,738 sorse; the Sod Hut estate, 1740 acres; the Pompurne estate, 798 acres; and the Karkulto Mine, 320 acres, with all the buildings and works upon it before it was purchased by the association; in all 14,596 acres of mineral and other land. The buildings erected by the company at the Burra are valued at 20,4704, and the plant, fixed machinery, horses, &c., chiefly at the same place, are estimated at 38,0001. The estimated net value of the copper and copper ore on hand or in course of realisation is 205,6654. After cooly stating in their half-yearly report that their profits amount to nearly 100,0001, the directors express their wish that these figures would give satisfaction to the shareholders, and we do not see how the shareholders on outsiton their continue.

an question their opinion.

The Alten and Quennangen United Mines Company have advices to Dec. 11:—Alters: The estimated produce for Nov. was 140 tons, worth 7:56 tons of copper. At Raipas, they have formed the communication between the shallow workings and the north-west sink from surface—load throughout yielding well, with encouraging prospects. The other workings yield about the usual supply. At the Old Mine, in No. 1 workings the lode is looking better, especially in the northern part, where it turns out about 3½ tons per fm. At Michell's, they continue driving southerly on the lode in the new adit cross—cut, which is very regular, and frequently yields some good quality ore. At Thomas's, in the deepest part the lode is from 6 to 9 in. wide, composed of yellow ore and mundle, but the water has prevented much being done. An adit, to intersect the lode at 13 fathoms from surface, is commenced; the length will be 20 fms.—Quennanous (Dec. 8): The estimated produce for Nov. was 37:50 tons of ore, worth 3:035 tons of copper. The want of a good cobing-house, and the extreme severity of the weather, have rather impeded operations necessary for getting the ore fit for smelting. The transport of ore has been carried on only at intervals, and for a day or two at a time, and it was with some difficulty that they had been able 50 get the materials necessary to keep them going to the mine. They hoped to flave a cargo ready for shipment by the middle of December.

The Nouveau Monde Mining Company special general meeting was held

hoped to Have a cargo ready for shipment by the midule of December.

The Nouveau Monde Mining Company special general meeting was held in Paris, on the 12th inst., M. Le Comte de Talvande presiding. The meeting having been legally constituted according to the statutes, the secretary read the gerant's report, and also the report of the consoil de aurvoillance. The following resolution was then proposed and unanimously carried:—"That the meeting name a commission composed of three gentlemen and the gerants to verify and approve the accounts, and also to prepare the elements for the liquidation of the company, should it take place. That the commission be invested with full powers to authorise the gerants to conclude

finite arr cancel th node of pa fonds Min The Forman winze, is winze, in the 3d le lode in the lode in La Fortuna winzer Fortuna willy ton per ing, and the worth 1 % Morris's er shaft, is ur fm.—East fm.—East 1½ ton per the 2d level bute pitche Jan. we est

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*Anite arrangements with the Central American Company, or any other company; in cancel the easting contract; to agree upon terms of compensation, arrange the mode of paymests, and, in short, to set for the best in the interests of the Nouveau Monde Mining Company, "The commission having been elected, the meeting broke up.

The Fortuna Company have advices from Spain, dated Linares, Jan. 12:

—Canada Isocoa: West of Engine-Shaft: The lode in the 6th level, east of El Clavel winze, is worth 1 to no per fin. The bit level, east of San Francisco winze, is yoor, but the ground is better \$\text{E}_{\text{c}} \text{cing}\$. The lode in the 5th level, west of Buen Provence, is worth to no per fin. The lode in Oveldo's winze is worth 1 to no per fin. The lode in the 5th level, east of Engine-Shaft: The lode in Let \$\text{Shaft}\$ in the 5th level, east of Engine-Shaft: The lode in Let \$\text{Shaft}\$ in the 5th level, east of Engine-Shaft: The lode in Let \$\text{Shaft}\$ in the 5th level, east of Engine-Shaft: The lode in Let \$\text{Shaft}\$ in the 5th level, east of Lovardes' shaft, is better for driving, and the lode more promising. The lode in the 2d level, east of Lovardes' shaft, is worth 1\frac{1}{2}\$ ton per fin.—Los Solidos Minz: West of Engine-Shaft: The ground in Morris's engine-shaft is without charge. The send in the 3d level, west of engine-shaft, is unproductive at present. The lode in Alvina's winze is worth 1\frac{1}{2}\$ ton per fin.—The lode in San Gabriel's shaft is worth 2 tons per fin. The lode in the 3d level, east of Fedgric's winze, is worth 1\frac{1}{2}\$ ton per fin.—The lode in San Gabriel's shaft is worth 2 tons per fin. The lode in the 2d level, east of Fedgric's shaft: The weather is avourable for surface operations.

The Linares Lead Mining Company have advices from Spain to Jan. 9:

—Peao Ancido Minz: West of Engine-Shaft: The 8\text{8}, west of cross-cut, is unproductive. We have commenced sinking a winze under the \$\text{8}, and a davance of the 8\text{3}, and the lode in the winze last of the

The Copiapo Mining Company have advices to Nov. 30, which state that the estimated produce for Nov. was 5100 quintals, worth, at Cerrillas, \$9671 86. At Checo, the several points of operation are progressing. The stopes in the old part of the Green lode will yield 4 tons of 10 per cent. ore per fin. At Dulcines Mine, the thaft is still working by two men; they are still taking out ores from the Manto, with the men, by the quintal, and also from the burrows. They hope to take out in the month about 500 quintals of 22 or 23 per cent. ore. The mine is still looking will

The St. John del Rey Mining Company have advices from Brazil:—

Morro Felho, Nov. 18.—The produce for Oct. is 20,380 citavas = 195 700 lbs. troy,

it is thus derived:

Oits.

Tons stone.

Oits. per ton.

	Jadison (Bahu stone) Busanna (E. Que. Panella Busanna (E. Que. Panella	3,945	from	$4226\cdot 4 = 2$ $1583\cdot 4 = 2$ $1427\cdot 2 = 2$ $223\cdot 2 = 3$	·037 ·764 2·521
12	Prais		************		= 0.127
ı	Total	20,380	*******************	7459-2	2:648
-	e produce for Oct. was 20,330 oits at 7s. 3d. per oit				47655 18 R

It will be seen by the above that, while there is an increase in the produce over that of last month (Sept.) of 1000 oits, there is a greater increase in the expenditure: that stocking in timber, iron, and charcoal. There have also been three fortnightly pay-days in the month for the free labourers and black force. And the produce is ser 30 days only, because, in order not to work in the amalgamation-house on Sunday, the 31st was transferred to Nov., which, consequently, has to account for 31 days. I trust the great calls for extra expenditure are nearly over, though there are various items which must still be higher this current month (Nov.) than they will be in future. Reduction Department.—Stamps working 30 days, average 120-65 heads; stamps working 133 heads, 29-40 days; arrastres worked cach, 25-01 days. According to the reduction report, there have been nearly 370 tons of atone more stamped in the 30 days of Sospiember, which accounts for the increased produce, though the yield per ton is but a very little better: 120 tons of very inferior than in the 30 days of Sospiember, which accounts for the increased produce, though the yield per ton is but a very little better: 120 tons of very inferior than which we had have a considerable supply of Bahu stone, and, therefore, expect a better produce. I am borry to say there is no appearance yet of any improvement in the quality of the Cachooira stone.

The produce from the Illing worth stamps is something better for October, and I have great hopes that we may yet this month derive some benefit from the second sat of stamps, of which one side should be at work for the concluding week.

MINK.—I join heartily in the rejoiding expressed by Capt. Treloar in his report at the completion of all the heavy work in the mine, which is considered by all the mining agents and men as more secure now than ever it was, and, indeed, more so probably than anyone would ever have thought of making it; so that it may be said the wash has eventually done good. When they came to the clearing away of the strength has eventually done good. When they came to the clearing away of the strength was the complete of th

pove total.

Trs.—I am glad to be able to say that one side (16 heads of the second was put temporarily in motion about seven r.w. on the 27th, and wen to work at three r.w. on the 28th.

permanently to work at three p.w. on the 28th.

The United Mexican Mining Association have advices from Mexico, to Die. 18. Major Farrel writes:—

Jews Maria x Jose.—Very little change has occurred in this mine since my last twort. The communication of the shaft with the lower workings has already effected a considerable reduction in expenditure, of which you will be made sensible by the report in detail which goes forward, per packet, at the close of the month. The sense of the month. The sense of the month of the shaft with the lower workings has already effected a considerable reduction in expenditure, of which you will be made sensible by the report in detail which goes forward, per packet, at the close of the month. The rentes of San Pedro and San Pablo continue to afford good results. Those of San Alija and San Martin have diminished in produce, and we shall probably suspend them until we cut the voin at the further descent of the shaft, and thus speculate or applore it at be same level as the frentes here referred to. The frente of San Gabriet is the south, as also the pose of Dolores, yield will, both in quantity and quality. The extraction for the week ending the 12th inst. amounted to 300 cargas, which, considering two holidays, was as good as usual. These holidays or fiertas not only deprive us of the services of the workmen for the days in question, but we are rarely abject to assemble the men for any effective work until the third day, including the fasta. The sale on the 10th inst. amounted to S3818, being less than the previous, on account of the diminished extraction, but the memoria of the week is about 5800 lass than it has been, greatly attributable to the facility of raising the ore since communicating with the shaft. You will observe we sell every fortnight, and our labelities remain the same as last reported. A conductor is spoken of from Guinaxuato in January next, and should the state of the country justify it hope then to send a further remittance.

However, we have in hand about \$16,00

Note—The above remittance of some has been received in a bill of exchange at sixty days' sight.

The Wildberg Mining Company have advices from Captain Z. Walls to Jas. 16:—The end driving west on the Gotteshüfe lode is much improved since last report, and is now worth it not of silver-lead ore per im. The end driving east from the bottom of the Erst Kammer sink is at present poor. The stope in the bottom of the deep adil tevel, on the Erbticfatergang lode, east of Catter's shaft, is worth 3 tons of silver-lead ore per fathom, but the end going east is at this moment rather poor.—Unbruck's Level: The No. 2 sink, going down below the bottom drivage from the No. 1, is in a fine course of ore, worth full 6 tons per fm., and the stopes in the back of this drivage will average 2½ tons per fm. The adit driving east from the Turken else is in very hard ground, but the lode is good, and will produce 2½ tons of silverlead over per fathom. Our tributers are working well, and the pliches producing fair quantities of ore. It is not more than five months since this system was introduced into these mines, and I am glad to say that during the past month no less than 30 tons of 50 per cent. ore. with 24 oss. of silver to the ton of lead, were returned from old warkings, which had long been abandoned on tatwork as valueless. This work was performed, and the ore delivered at surface, at an average cost of 34. 12s, per ton. 14. Goundry also reports, on the same day, from the smelting-works, that No. 2 captal turnace is still smelting lead ores and fances, which work very favourably together. The reverberatory roasting process is being continued with one furnace, and the crystalliang process was started on Jan, 11, and is progressing favourably.

The Hoyal Santiago Company have advices to Dec. 16:—The New Isabelita shaft has been communicated to the 32 cross-cet, and during the coming week we shall sommense drawing from the 32. The lote in the 32 cast is 1½ ft. wide, and producing 1½ for per fm.; the driving west will be commenced as soon as we can get the libble down to draw away the stuff. The lode in the 22 cast, on eaunter lode, is 1 ft. wide, worth 1 ton of copper ore per fm. In the 22, driving west on New Isabelita shaft, the lode is 1½ foot wide, composed of spar, mundic, and producing 1 ton of copper ore per fm.; in the stopes in back of the back of the 22, cast of New Isabelita shaft, the lode is 1½ foot wide, worth 1½ ton of copper ore per fm.; in the stopes in back of the 22 are suspended. In the 10, driving east of New Isabelita shaft, the lode is small and poor at present; the lode in the wince sinking below this level is 1 ft. wide; the stopes in back of the 10 cast produce from 2 tons to 3 tons of copper ore per fathom; and in the stopesin back of the 10, driving east of Habelita shaft, the lode is 1½ ft. wide, producing 1½ ton of copper ore per fm. We have commented to drive east in the adit level on New Isabelita lode, to communicate the theologies in back of the 10, cast of New Isabelita shaft, the lode is 1½ ft. wide, producing 1½ ton of copper ore, we have commented to drive east in the adit level on New Isabelita lode, to communicate the television of Crimani mining Company, it is anticipated, will be finally would-up in the course of the ensuing month. A domestic calamity has prevented Senor de Crimani from completing the terms of his contract as he had convented Senor de Crimani from completing the terms of his contract as he had convented Senor de Crimani from completing of these gratemen will be held in Paris early in the ensuing week.

At the Scottish Australian Investment Company meeting, on Friday, a The Royal Santiago Company have advices to Dec. 16: —The New Isa-citis shaft has been communicated to the 32 cross-cet, and during the coming week

to settle with the liquidators. A meeting of these gatlemen will be held in Paris early in the snating week.

At the Scottish Australian Investment Company meeting, on Friday, a dividend of 8000. (at the rate of 8 per cent, per simum) will be declared. Two vacancies occur at the board, for which the following sentemen are candidates—Meess. O. Becher, G. H. Donaldson, J. Walker, C. Whecham, and Sir Edwin Pearson.

The Australian Agricultural Company's report, issued preparatory to their meeting on Feb. 1, greenets the assounts of the undertaking in the amended form lately resolved ugon. The statements regarding the net profits of the Newcastle Colliery by 19 September liset sig very satisfactory, and their is also a prospect of improvement in the land sales. The sum at freeen available in London is 31,083., and a dividend is suggested of 11. per share, which will short 20,0004.

The Sortridge Consols quarterly meeting will be held on Tuesday. A very clear and detailed statement of accounts from the formation of the company to the end of Dec. has been forwarded to the proprietor; they show for the last three months' working a profit of 483.1 is; and total estimated balance of 2844.15s. in favour of the mine. Since the last general meeting no important exture has presented itself in the development of the mine. A 7 has been reached, and divisages commenced east and west. In the 62 cast the lode has improved, and divisages commenced east and west. In the 63 cast the lode was improved, and supproved. The 50 and 40 west are advancing into new ground, traversed by class of the free in back of the 30, west of the weeter shall be lated in the formation. Captain Richards is making a complete survey of the mine, and vill have a full report prepared for the general meeting.

Richards is making a complete survey of the mise, said vili have a full report prepared for the general meeting.

The Port Phillip and Colonial Gold Mining Company have convened a meeting for Jan. 28. One matter of consideration wil be reducing the number of directors, and obtaining the sanction of the Board of Trade is gute hiteration. We have been informed that Mr. J. D. Powles will not preside as Chairnain. From the report issued, it appears Mr. Bland had continued the business of crushing quarts, but had transferred the scene of his operations from the stations called the ""." ack Hill?" and the "Doad Horse" to the mise of "Clunes," with the propristors of which had made an agreement, which entirely relieved the company from the cost and risk of mixing, and limits its operations to the business of crushing quarts. Mr. Bland and made a contract for crushing all the quarts from the Clunes Mine for 21 years; and a s-parate company had been formed for raising the quarts.—called the "Co-operative Company." Under these arrangement, the gold produced was appropriated as follows: "Royalty to the owners, 10 per cent., to the Port Phillip Company," Mr. Bland expresses entire confidence that when the establishment shall be complete, by being provided with the extent of machinery which it requires, he will be able to crush 50 tons per diem. at a cost of 30s, per ten. If this prospect should be realised, a profit will result of 450f, per week. The quantity at present ornabel is about 25 tons per week.—Assay Office: The amount of business in this department has steadily increased. Quantity of gold metted fit 12 months, 1857, to Oct., 669,879 ozs. The profit for the half-year ending June 30 last was 1404/1. 7s. 6d., and the same has been closed by transferring that amount to the debt of capital account.

In the Foreign Mine Share Market, the business done has been pretty considerable, but in considerable, but in considerable had to considerable but in considerable to the company and inchesting the considerable but in cons

In the Foreign Mine Share Market, the business done has been pretty considerable, but in some instruces slight reductions have been submitted to. Brazilian Land have fully maintained their advance, and left off at 2½ pm. The last accounts give a very material increase in the returns at the mines, under the management of the newly-appointed commissioner. In St. John del Rey not much amount of business doing, and prices remain firm, 11 to 11½. The advices received on Wednerday give the loss for Oct. 1155. 18s., still the prospects on the whole are considered satisfactory. Cobres 42. Considerable interest is felt as to the report which the directors will make at the next meeting of shareholders. The returns from the mines have gradually fallen off very much, and are now not more than half of those made two years ago. The mines are reported, by men who have lately returned from Cubs, to be much poorer than thoy were, and there is a great exercity of labourers to carry on the works properly. The fall in the price of copper must seriously affect the half year's profits. Imperial Brazilians left off at 2. The manager sent cut to wind up the affairs having returned, a meeting will most probably be called at an early date. United Mexicans have been in demand, leaving off at 4% to 4%; Linares, 8½; Santiagos have been quiet, price 1½ to 2½. In other descriptions of foreign stock prices remain the same as last week.

Mr. Joel Hitchéns, who was sent out to dispose of the property of the In the Foreign Mine Share Market, the business done has been pretty

tages nave been quiet, price is to 25%. In other descriptions of loreign stoke prices remain the same as last week.

Mr. Joel Hitchens, who was sent out to dispose of the property of the Imperial Brazilian Association in the Brazils, returned to this country lest week. A succial meeting of the directors and committee will be held on Tuesday, to hear from Mr. Hitchens the full particulars of his negotiations.

Mr. A. Tregoning left England by the packet, on Monday, for Jamaica, to fulfil an engagement to inspect the mines of several companies in the island.

In winding-up the Kilbricken Mining Company, Vice-Chancellor Wood has announced a call of 30s, per share.

In winding-up the Cwmdyle Rock and Green Lake Copper Mining Company, Vice-Chancellor Wood has announced a call of 10s, per share.

Our Hull correspondents (Messrs, T. W. Flint and Co.) report that the almost entire absence of employment for money in the produce market is driving money into shares, and, with a further reduction in the rate of discount, which appears inevitable, we look for much higher prices for all the leading stocks.

pears inevitable, we look for much higher prices for all the leading stocks.

Our Sheffield correspondents (Messrs, F. E. and S. Smith) report that there has been rather more business doing in their market during the past week. Chapel Dale shares have been done at 5½ prem., and are in demand; Mill Town, twice at 34.; Mill Dam, at 13s. prem., now sellers at 12s. prem.; Eyam steady, at 54 to 55; Prince of Wales, 2 to 2½; North Derbyshire, 1½ to 1½.

MEETING OF THE COMMITTEE ON THE RATING OF MINES.—A meeting of the Committee, appointed in January, 1856, at a meeting of the mining interest of the county, on the subject of the rating of mines, was held in the Council Chamber, Truro, on Monday last, when there were present, Mr. Richard Davey, M.P., Chairman; Mr. Michael Williams, M.P., Mr. Kendall, M.P., Mr. Williams, Mr. Boger, Mr. Roberts, Mr. Morcom, and Kr. Allen. There were also present (not members of the committee) Hon. Capt. Vivian, M.P., Mr. F. M. Williams, and Mr. P. P. Smith. The meeting was not open to the public, but we are informed that a discussion took place, which lasted about two hours, and that the meeting generally was in favour of the rating of mines. Mr. Kendall spoke at some length, and said that it was his intention to introduce into Parliament, in the coming session, a bill containing such provisions as had been generally approved by those who were in favour of the rating of mines. But he pledged himself that due notice should be given of the introduction of the bill, and that subsequently sufficient time should clapse between the first and second readings, to allow the county to consider well the bearings of the measure. The following resolution was proposed and seconded:—"Resolved,—That it being anticipated by this committee that a bill will this session be brought into Parliament, for Rating Mining Royalites, founded on the report of the Parliamentary Committee, it appears expedient to await the introduction of the bill, and to be governed by its particular provisions as to the proceedings which it may then be thought desirable to adopt; and that the Chairman of this Committee be requested to assemble the Committee as soon as he possesses sufficient information on the subject." Mr. Morcom expressed his disapproval of any measure for the rating of mines, and moved a resolution to that offect; which, however, was not seconded. The resolution given above was carried nem. con.; and the Committee apparated.—Cornicall Gazette.

THE COAL TRADE OF THE WEAR.—The half-yearly vend of coal and coke shipped in the river Wear and dooks at Sunderland, as sworn to before the commissioners by the staitimen of the several coalowners, shows that during the second half-year in 1857 the shipments amounted to 509,217 chaldrons, being an increase of 43,503 chaldrons on the corresponding half-year in 1856. The trade has made steady progress in the last seven years, being only 620,009 ch. in 1851, and 937,025 in 1857.

progress in the last seven years, being only \$20,009 ch. in 1851, and 937,025 in 1857. NewCaSTLE COAL, AND THE PREVENTION OF SMOKE.—A meeting was held at the Coal Trade Office, Newcastle, on Tuesday, in order to hear the report on the general state of the trade, comprehending the report of the judges relative to the experiments on the consumption of smoke, and the superior evaporating power of the north country steam coals. The three reports of Mesers. Longridge, Armstrong, and Dr. Richardson, who were appointed judges to decide which was the best of the plans sent in to compete for the prize of 50% offered by the Steam Coal Collieries Association, are of a very interesting character. The first report we have already published, and in our next Journal we shall fully refer to the others.

The return of the Bank of England for the week ending Wednesday,

an. so, compared with the previous weekly reti	arn, snows the	: tottowing	results:-
Circulation issue	£28,221,475	Increase &	1,009,070
Circulation active	20,022,025	**	350,295
Public deposita		Decrease	173,259
Other deposits	18,386,698	**	738,035
Government securities in banking department	9,191,986	Without	alteration.
Other securities in banking department	22,250,659	Decrease	1,599,003
Coin and bullion in both departments	. 14,435,815	Increase	1,078,708
Seven day and other bills	. 889.385	83	5,507
The Rest	3,688,614	**	35,196
Notes in reserve	8,199,450	** .	658,775
Total reserve (notes and coin), banking depart.	8,888,790		728,413
the increase in the coin and bullion is consid	orable nawar	de of one	million on

Total reserve (notes and coin), banking depart. 5,285,195 of the million, and the total is thus raised to nearly fourteen millions and a haif. At the present moment, the agaregate is probably fourteen millions and the countries and next week it will certainly exceed fifteen millions—an amount which will probably be held sufficient, considered in connection with the general aspect of the money market, so justify a reduction of the bank rate of discount to 4 per cent. The private deposit, which last week increased more than four millions, now exhibit a diminution of early three-quarters of a million; but as the "other" securities have run off to the tisfactory extent of more than a million and a half, the reserve of notes and coin in e banking department presents an increase of 728,413i. The total under the latter ad now approaches nine millions.—Daily News.

Tappino's Prize Essay on the Cost-Book System, enlarged and augmented, with Notes and an Appendix, can be had at the Minino Journal office, 25. Fleet-street,—Price 5s.

	LEA	D O	RE	S.			
	Sold on	the 16th	Jan	anai	7.		-
Mines.	Tons	. P	rice	per	ton	3.	Purchasers.
South Clarens	41		617	11	6		J. T. Treffey.
ditto	10	*******	9	3	0		Sims, Willyams, & Co.
ditto	100	********	13	13	0		Newton, Keates, & Co.
Poxdale Laxey	100	ene rou	29	5	0		Newton, Keates, & Co.
Lavar	100	*******	21	15	6	******	ditto
East Daren	70	*********	16	11	0		Sime, Willyame, & Co.
ditto	10		15	15	0	*****	Panther Company.
***************************************	Sold on	the 20th					
Peneralg	21	*******	13	- 6	6		A. Eyton.
Trewetha	15		26	12	0		Sime, Willyams, & Co.

COPPER ORES. Sampled December 30, 1857, and sold at Swansea January 19, 1858.

Mines.	Ton	a. Pr	roduce.	P	rice		Mines. T	ons	. Pr	roduce.	. F	rice	
Springbok ditto ditto	S.		3614	634	10	6	Cobre	87	*****	1126	. asto	10	U
opting ook		******	947/	99		6	ditto	9.0		1237	11	15	0
antto	3	******	94 /4		-		ditto	60		331	0	12	6
ditto	54		34%	32	7		ditto	09		11%			
ditto	4		35%	33	13	0	ditto						6
ditto	4		34 %	32	4	6	ditto	50		22	20	5	0
ditto	***		2017	28	- 6	0	ditto	49		2116	20	1	6
ditto	****	******	00 3				ditto	47		91 4	10		6
ditto	3		34 4	31	19	0	ditto	**		24.78.	60	10	
ditto	4	h	32%	31	4	- 6	ditto	13		09	60	10	
ditto	4	7	33 12	31	9	6	ditto	11		16%	14	7	0
Wheal Mar	ia. 5	0	25%	23	4	0	ditto	12		14	13	12	6
ditto	4	7	2614	24	5	6	Berebayen	97		1134	10	15	6
ditto	9	40	803/	30	6	6	Sydney	22		10 1/	8	17	0
ditto	0		0078	40			Managara (T				****		-
ditto	3	1		38	- 8	0	Namaqua(I.	19		22%	21	0	0
ditto	2	0	26%	25	17	6	ditto ditto ditto ditto ditto Berebaven Sydney Namaqua (T. W. and Co.)	,	******				
				TO	TA	LE	RODUCE.						
									-	_			

 Springbok
 402
 £13037
 11
 6
 Berehaven
 97
 £1045
 3
 6

 Wheal Maria
 182
 5345
 17
 6
 Sydney
 22
 194
 14
 0

 Cobre
 507
 7287
 0
 6
 Namaqua(T,W&c.Co.)18
 399
 0

COMPANIES BY WHOM THE ORE	3 AA TO	Tres & Carr	ATT IN COM			
001111111111111111111111111111111111111	Tons.		Amot	int.		
Copper Miners' Company	473	6	£1045	16	0	
Freeman and Co	189	5-6	4860	10	9	
P. Grenfell and Sons	262	************	5558	16	6	
Sims, Willyams, Nevill, and Co.			3773	18	0	
Vivian and Sons	73	***************************************	1813	19	0	
Williams, Foster, and Co.	351	4	6996	15	9	
Mines Royal Company		*	221	7	6	
British and Foreign Copper Company	30	5-6	957	8	6	
Mason and Elkington		á	133	0	0	
P. Bankart			1927	15	0	
m.c.1	1200		27,289	7	-0	
Total	1200		21,200		-	

Copper orea for sale 1 8 wanses, Feb. 9.—Cobre 82, 81, 80, 79, 78, 76, 39, 38, 12, 10 larruphs 50, 48, 33, 22, 20, 5, 3, 2, 1—Laxey 58, 56—Walwich Bay 58—Aimeria

	A, ER	AGES.	rice			Stan		
British		£10	15 12	6		£109 102		6
Sale Totals—British, 97	24 3-16 ; Foreign	£22 , 1112=	11	6 tu	ns (21-cv	£102	4	6
AVER	AGES OF	LAST	SAI	J.		Stan	dar	đ.
BritishForeign	roduce. 11 7-16 18%	£10	14 2	0	************	£113	8	6
	17 1-16	-	10	-		£104	5	0

COPPER ORES. at the Royal Hotel, Truro, January 21.

Mines.	To	ns.	P	rice.	. 1	Mines. Tons.		ice.
Devon Great			610		6	Bedford United 79	£3	16
Devon Great	Consols1			î	6	ditto 75	4	7
ditto	1	06		16	6	ditto 53	7	10
ditto	1	04	3	9	0	Wheal Friendship 83	4	12
ditto	1	04	3	14	õ	ditto 41	15	5
ditto	1	03	3	4	0	ditto 36	15	
ditto	1	01	9	19	6	Collacombe 79	6	2
ditto	1	00	3	10	6	ditto 56	4	10
ditte	***************************************	90	0	19	0	Duke of Cornwall 60	4	11
ditto	************	93		9	ő	ditto 55	2	17
ditto	******	92		A	0	Kelly Bray 66	4	14
ditto	*************			- 2	6	ditto 44	- 5	1
ditto	************	83		9	2"	Wheal Edward 30	8	3
ditto	************	82	3	5	6	" 'itto 23		12
ditto	***********	61		0	6	tta 90	- 0	4
ditto	**********	52	10	15	0			17
ditto	*************	49	4	3	0	ditto // 13		15
ditto	************	25	. 3	13	6			9
ditto	***************************************	24	4	10	6	Calstock Consols 71	12	4
ditto	***************************************	18	. 8	7	6	ditto	2	7
ditto	*************		. 5	0	6	South Bedford		6
ditto	*************	12	. 3	14	6			10
Phoenix Mir	nes	90	. 3	6	0	Wheal Emma 61		12
ditto	*************	85	4	15	6	Devon Buller 57		17
ditto	*******	82	4	7	0	Lady Bertha 41		3
ditto	*************			13	6	ditto 14		
ditto	***********	51	. 9	19	0	Gawton Copper 55		14
West Caradi	on1	01		13	6	West Crinnis 55	6	5
ditto	************			15	0	East Russell 40	10	3
ditto	*************	52		2	6	ditto 12	23	12
litto	***************************************	40		5	6	Wheal Russell 46	3	13
ditto	**************	30		3	0	Tavy Consols 40	2	18
ditto	***************************************	27		14	6	Devon and Courtenay 28	4	5
	own			12	6	West Par Consols 14		12
ditto			3	15	0	Wheal Zion 7		8

TOTAL PRODUCE. | TOTAL PRODUCE. | PRODUCE | Property | Color | Property | Propert

Mines Royal Company
Vivian and Sons
Preeman and Co.
Grenfell and Sons
Sims, Willyams, Nevill, and Co.
Williams, Foster, and Co.
Mason and Elkington
F, Bankart
Copper Miners' Company
C. Lambert 338 240 61½..... 261 4 0 £22,435 2 0 4018 Total

Copper ores for sale on Thursday next, at Tabb's Hotel, Redruth.—Mines and Parcels.—Great Wheal Busy 629—United Mines 566—South Caradon 417—Powey Consols 353—81. Day United 263—Craddock Moor 195—Gonamena 147—Wheal Ellen 130—Great Crimnis 122—South Wheal Ellen 67—Perran St. George 47—Consolidated 37—North Wheal Busy 37—Old Wheal Basset 17—Old Tolgus United 17—Wheal Henry 11—West Par Consols 7—Visick's Ore 1.—Total, 3218 tons.

I/—wnear Henry 11—west Par Consols 7—Visick's Ore 1.—Total, 3218 tons.
Copper ores for sale on Thursday week, at Tabb's Hotel, Redruth.—Mines and Parcels.—West Wheal Schon 632—Wheal Basset 539—South Frances 506—Theroft 372—Wheal Clifford 302—East Pool 232—Wheal Seton 199—Condurrow 175—South Crofty 134—Dolcouth 92—Camborne Vean 83—North Pool 83—South Carn Bres 80—North Rockear 79—East Busset 63—Tywarnhaile 43—North Frances 29—Stray Park 14—Eny's Ore 9—Treviskey United 6.—Total, 3674 tons.

		TI	H	RD SALI	B 1	N											
Years.	Tons.	Prod		Amou				Stand	are	1.	()re o	opj	el		Cake	
1849	2633	9%		£14,346	18	6		€ 84	12	0	***	£56	4	0		279	10
1850	2343	10	***		19			102					14	0	***	84	0
1851	2618	914	***	10 807			***	95	4	0	***	66		0			
1852	2839	8%	***	20 0004			***	103	6	0	***	70			***		
1853	3411	736	***		15	0	***	152	6	0	***	115				107	
1854	4156				11	6	***	146							400		
1855	3584		***	00 *40	11	0	***	137			440	92				126	
		5%	***	00 707	4	0		144		0		95		0		126	
1057	6394			98 904	9	6		159	17	0	***	114	. 8	0	***	126	0
The copper in	the or	e expre		s the net	t m	ric	e pe	er tor	of	0	opp	er p	rid.	to	th	e mi	Det.

ATSON AND CUELL'S MINING CIRCULAR, published every Thursday morning, prise 6t., or £1 is, per annum, contains special Reports of Mines, and the Latest Intelligence from the Mining Districts, from an exclusive resident agent; also, Special Recommendations and Advice upon all subjects connected with Mining, and interesting to investors and speculators. A Record of Daily Transactions in the Share Market, Metal Sales, and General Share Lists, &c. E liked by J. Y. Warson, F.G.S., and published by Warson and Cuell, N. B. Looking at the causes for the present depression in mining shares, Mesers. Warson and Cuell have made a selection of a few dividend and progressive mines to pay good interest, with a probability, also, of a rise in value, the names and particulars of which will be furnished on application.

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Motices to Correspondents.

• Much inconvenience having arisen, in consequence of several of the Number during the past year being out of print, we recommend that the Journal should be regularly filed on receipt; it then forms an accumulating useful work of reference.

regularly filed on receipt: it then forms an accumulating useful work of reference.

Manufacture of Iron and Strell.— Some of your correspondents on this subject may be interested to know that it has recently been proposed, but not patented, to improve iron intended to be submitted to the Beasemer process by employing at least double the quantity of lime at present used in the blast furnace, the excess forming a base for the sulphuric and phosphric acid to unter with; the pneumatic process effectually removes red-shortness in iron so treated, and, therefore, Mr. Bessemer may yet produce a useful metal. When smelting ores for the production of malicable iron, I add in addition some salt of manganese, or sometimes, instead of a salt, an alloy of lead and manganese, which assists the amalgamation of the iron and manganese, but, as the lead does not alloy with the iron, it has no injurious effect; I prefet to use this latter compound in the refining fornace. In refining, any suitable flow, metal, alloy, or gas, may be blown in at the tuyeres with the air, and the ingredient will, of course, be introduced according to the composition of the crude iron being treated.—H. A.: Bilston.

That "Bal Box."—If the party who forwarded a letter to the author, under the signature "H.M.," Post-office, Cornhill, will communicate with him through the same modium as before, the author will suggest a mode by which his charitable intentions may be carried out. Other parties entertain the same views as "II. M.," and would gladly act in concert with him. Mr. Henwood is now in town, and may be addressed at the office of the Journal.

What Saxson.—Your valuable Journal is the medium for expesing and correcting the middled of mining delinquants. I am a holder of shares in averaging and correcting the middled of mining delinquants.

would gladly act in concert with him. Mr. Henwood is now in town, and may be addressed at the office of the Journal.

MEAL Samson.—Your valuable Journal is the medium for exposing and correcting the misdreds of mining delinquents. I am a holder of shares in several progressive mines - two or three are going on very prosperously, to all appearances, but there is one the management of which I cannot understand—the Wheal Samson. I have a friend on the spot, who has visited the mine several times; and I have likewise heard from others that there is sufficient stuff at surface and in sight, if sold in its present state, to pay a dividend in four or five months, and be continuous—indeed, my friend informs me that there are thousands of tons that would fetch 264, per ton, free of expones, and without the cost or assistance of Mr. Godefroy's paiers, on which there has been so much discussion and time lost. Likewise, I am told that they have got on to a vein of native silver, 3 in, wide. Surely, the directors ought to let the shareholders know something about it. The Chairman (Mr. Barclay) and directors should account to the other adventurers how it is that the mine has not been named by them) in your Journal since the last general meeting on Aug. II, especially as, in page 377, there is named an assay by Mr. Godefroy, producing 39 ozs. 15 dwts. of fine silver, and 18 dwts. of fine gold, a nett value of shoult 13/1.00, per ton; supposed cost of extraction by Mr. Godefroy, los. per ton. Binne then he has produced, working on a greater quantity, 30 ozs. of pure silver per ton. I have nothing to do with Mr. Jefferies, or Mr. Hopkins, or Mr. Godefroy, but the shareholders generally have a right to know, seeing that their property is not dealt with in a manner to produce that good result which they ought to expect from all appearances of prosperity, if properly attended to, why there is not something done to bring the mine into a paying state. If this mine should be lost, it will be from neglect, or some sinieter motive.

negiect, or some sinister motive. There are other shareholders besides myself watching its fate.—A SEVEN YEARS' SUBSCHEER.

THE ACADIAN CHAROOAL IRON COMPANY.—Can any of your readers furnish information relative to the affairs of this company? It was reported there was to be a divided in Oct. last; instead of which there is a call now made. Any particulars from private sources would be acceptable.—INQUERER: Presions.

CLIMAR AND WENTWORTH.—One of your correspondents, signing himself "Agent," has on two sep-rate occasions in your Journal called attention, with what motive it is difficult to say, to the price charged for the plan of this mine. I did not intend to have taken notice of the misetatements contained in these paragraphs, had not a reflection been attempted to be cast on the worthy monager, for paying such an "exorbitant sum" as "Agent" has termed the price of 211. I must, therefore, in justice to him, beg to make a few remarks on this subject. The price of 211. was not paid alone for the plan, as implied by "Agent," but for the plin and slaborate sections of the mine (the latter altogether ignored by "Agent"), the whole involving many days' labour above and below ground, and in the office, the cost of the mounted drawing paper, about 31., being included in that sum; and, added to this, six months' attendance at the mine, "disling up from time to time the various ends, filling up the plan and sections, and other surveying operations of importance, these requiring repeated visits to the mine. Of the quality of the work in the plan and sections I must leave others to judge; but I think that "Agent" should be reminded that there are plans of guines in this county that would be dear at any price. I trust those of Clijah and Wentworth are not included in the same category. I consider it unfortunate that "Agent" had not made himself better acquainted with facts before he made charges not only affecting the honesty of the surveyor, but the justice and capabilities of the manager of the mine.—Exportional (who s

the justice and capabilities of the manager of the mine. Extorational we surveyed the mine): Truro.

Difference as reasons the Disactalification of Directors of Joint-Stock Conparies.—After the last able and elaborate exposition by "T. T." on the particular
points of discussion between us, as regards the construction of certain sections of
the 19 and 20 Vic., cap. 47. I can very properly retire from any further contest, because I am convinced, from the perfect knowledge your correspondent has already
displayed of the Act in question, and from the ability with which he has brought
that knowledge to bear upon the points at issue, that his leyal opinions on the subject are most probably the correct one. On one point I think we are both agreed,
that the south of the public. It is anything but creditable to its framers, yet
we must not place the whole of the onus on the Board of Trade; many of the contradictions pointed out by "T. T." have, no doubt, been introduced in committee,
for so many M. P.'s are connected with joint-stock companies, and there is so much
bastard sympathy at Westmineter, as elewhere, for what may be called "respectable class roquery," that no wonder a few loop-holes of eccape have been left in the
Act in question for siming directors. It my opinion, the old Act, the 7 and 8 Vic.,
cap. 110, was the more effective measure of the two, had not its penal clauses been
on entirely neutralised by its 77th section, which requires that all actions, &c., for
penalties should be prosecuted in the name and with the consent of the AttorneyGeneral. The present Act does not, I am glad to say, contain any such a condition.
Ac an illustration of the more effective working of the old Act, as regards the difference of directorial disqualification, I would point out that under the 19th section
of that Act the chairmanship in the Mariquita Company would have been vacant,
typo facto of the firm in which the Chairman is a partner having suspended payments on Nov. 4. Under the present Act, we have stil

THE PROGRESS OF MINING IN 1856.

By J. Y. WATSON, False, Author of the Compandium of British Mining (published in 1843), Gleanings among Miner and Miners, &c.

The TRIEFERSTH ANNUAL REVIEW.

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WATSON AND CUELL'S MINING CIRCULAR, an exclusive resident agent; also, Special Recommendations and Advice upon all subjects connected with Mining, and interesting to investors and speculators. A Record of Daily Transactions is the Share Market, Metal Sales, and General Share Liet, &c. Elited by J. Y. WATSON, P.G.S., and published by WATSON and CUELL'S, Watson, P.G.S., and published by WATSON and CUELL'S MINING CIRCULAR, N.B. Looking at the causes for the present depression in mining abares, Messre, Warson and Cuell, they made a selection of a few dividend and progressive mines to pay good interest, with a probability, also, of a rise in value, the names and par-limits and cuestions of law dividend and progressive mines to pay good interest, with a probability, also, of a rise in value, the names and par-limits of which will be prompted to a few dividend and progressive mines to pay good interest, with a probability, also, of a rise in value, the names and par-limits of which will be prompted to a second the smooth of the amount of his shared I-2. Can a confidence of the majority to accept the form of the character of the smooth of the capacity of the proper central to the mount of the part of the pay have been dealy the proper central to the mount of the share Market, Metal Schola and progressive mines to the mount of the smooth of the capac

small an amount, not willing it accept it; and such dissentient creditor may appeal to law or bankroptcy to enfore his claim.]

Sia: Will you oblige me by stating, in your Notices to Correspondents—1. Is a share-holder in a chartered company liable beyond the amount of his shares?—2. Can a shareholder in a company which is winding—up object to his being liable, if he has not done so at the time name for him to oppose? Is there a right of appeal?—

3. Can an action hie against be directors and promoters of a company (after a winding-up), on the score of wilful misrepresentation?—4. Is a charcholder in a public company, having signed the deed, liable after he has sold and transferred his shares?—AN OLE SUBSECLIEM.

[I. The liability of a sharchder in a chartered company is not governed by any general law, but is to be accertined from the charter only.—in obtaining it,—alike. The terms of a charterdepend upon the influence and tao.—is placed upon the list of contributories. See Tapping's "Exposition of the Joint-Sto.—is placed upon the list of contributories. See Tapping's "Exposition of the Joint-Sto.—is Accepted to the consideration of the contributories is advised to bring his action, and try it; and ultimately submit the verdiet to the consideration of the contributories ister ac. See Tapping's "Exposition of the Joint-Stock Acta," p. 64. a. 27.—4. A shareholder is labeled to the proper of the point-Stock Acta," p. 64. a. 27.—4. A shareholder is labele for three years after the sale and transfer of his shares. See Tapping's "Exposition," p. 59, s. 3.]

LTER MINING ASSOCLATION.—If I remember rightly, the annual meetings of this

of the contributories inter so. See Tapping's "Exposition of the Joint-Stock Acts." p. 64, s. 37, -4. A shareholdic is liable for three years after the sale and transfer of his shares. See Tapping's "Exposition." p. 39, s. 3.]

ALTEN MINING ASSOCIATION.—If I remember rightly, the annual meetings of this compuny have never been hild later than the middle of December: we are now near the end of January. As the reports have been forwarded of the progress of the mine, it is probable that the escounts have likewise come to hand. I, as well as, no doubt, many others, have locked forward with some anxiety to this meeting, wishing to know how far we have bettered our condition by amalgamating with the Quesangen Missing Compan,—C. W.: Liverpool.

CROLLACOTE CONSOLS.—"A. R." (Tavistock) is in error respecting the steam-sngine, and also Mr. Chubb. By application to Captain James Carpenter, "A. R." can obtain all information respecting the set and its prospects.

PRECOUN METAL MARINO.—Your correspondent, "P. S.," has afforded a very satisfactory solution of the manner in which the modern alchemiats pretend to extract the valuable metals. I perceive, by the last Journal, a rumour that Mr. Harris's magnets have been so powerful, that they have attracted the Sheriff of Cheshire to Frodsham. Surely, the auriferous matter there collected would have been sufficient to have enabled the directors of the company to dispense with the visits of that functionary. In the relations of social life, I have no doubt he may be a very estimable person, but I cannot conceive, if he has visited the works in his official capselty that it can at all enduce to their prosperity. I trust that, although oir-mation as to the progress they were to have made, yet they will at length afford some explanation as to how this last confretemps has occurred. It would be a pity, now that we are so near the fruition of our hopes, that the mint which was to enrich us all should be in the stern grip of the law. A meeting of the shareholders will make. I say, let

gauing committee in future ocware.—A SHAREHOLDER.

Ind Transcraper Minz.—I should feel much obliged if any of your correspondents
could give me information as to the period when Old Treburget Mine was worked,
the amount of capital outlaid, the value of the ore produced, and the number of
years during which the workings continued, or direct me to a source from which
I could derive this information.—An Old Subscriber.

the amount of capital outland, the value of the ore produced, and the number of years during which the workings continued, or direct me to a source from which I could derive this information.—AN OLD SUBSCHERE.

ANGLO-GLITORNIAN GOLD MINING COMPANY.—In last week's Journal, it is stated that the liquidation of this association is progressing favourably. I would enquire why it is that the liquidators have as yet published no accounts? A the meeting held in July last, in answer to a question from a sharehelder, the Chairman stated he had every hope that the affairs of the old company would be finally adjusted in about a month; since then half a year has elapsed, and we seem to be no way advanced towards a favourable solution. The Californian Consolidated Quartz Company is still quoted in the Share List; has our property been formally made over to them, and by whom? Sir Henry Huntley wished to afford the shareholders every information regarding his transactions with Mr. James Duggan. I can only express my surprise that some of the independent shareholders have not come forward in order to ascertain the true facts of the case, more especially the circumstances of the dispute between the late superintendent and the directors. Several whose names I could mention were accustomed to take a prominent part at the public meetings: if these were to come forward now, I am sure they would receive the co-operation of their fellow-sufferers. When Measrs. Wittiams and Chevin were summarily dismissed by the new board, we were told that the incoming management would do better for us. Until the month of May, 1356, after holding the reins for over fire years, they were not aware of their real position, but allowed themselves to be the channel of delusive reports, until all the capital subscribed by their credulous proprietary was expended, no one knows how. Balanco-sheets were forwarded every year, but a question arises—How were the items vouched, and how much of the Californian expenditure was incurred for salaries and hotei bills?—

CAST-STREL PATENTERS.—In Mr. Robert Musile''s paper, last week, for "soda" read "sodium;" for "Silua Danica" read "Silva Danica;" and for "n'emporte" read "n'emporte."

THE MINING JOURNAL

Railman and Cammercial Gagette.

LONDON, JANUARY 23, 1858.

In another column we give a full report of a meeting of proprietors of the GREAT WHEAL VOR UNITED MINES, which was held on Wednesday, to consider the report of a committee of investigation, appointed by a ge

Chairman or any of the other directors. The committee of investigation report, "that the committee of management have wholly failst in exercising that salutary supervision over the company's affairy which their duty to the shareholders imperatively required;" to which the committee of management reply by the candid admission that they entrusted too management reply by the candid admission that they entrusted too management of the association were submitted to audistra, appointed by the accounts of the association were submitted to audistra, appointed by the abarcholders, one being a public accountant, why did not discover irregularities in the statements, they felt themselves ustified in receiving the balance and cost sheets of the manager. No specific charge is made against the manager by the committee of investigation, although inferentially their report throughout reflects on that gerdeman, yet as the committee of management is therein impugned in direct terms, we are surprised that particular notice is not individually directed to the manager more pointed that the property of the manager, have been permitted to pass, as we are told, without the slightest notice or enquiry."

It appears that 33,000. were paid by the company for "Old Wheal Vor, Carleon, Polladras, Polrose, and other mines," in which expression of "other mines" it was supposed two setts, known as the "Plow" and "Wheal Metal," were included, more particularly as it was notorious that they ever constituted a portion of the Great Wheal Vor United Mines, Subsequent, however, to this payment, the grantees—that is, the late manager and others—required and obtained a further sum of \$500. for these two setts, and Mr. Nalls was not of 2000., which was the difference between the amount paid by the company and that paid by the grantees to the real owners of the estates; while, as further evidence that the sum of \$500. was altogether an improper payment, the cost-book of "Flow" and "Wheal Metal" in same the grantees to the real owners of the estates; and

The meeting ultimately consented to the reception, but not to the adoption, of the report of the committee of management, as several points proposed for the future guidance of the company were not considered desirable, and the committee of investigation was requested, and authorised, to act with the committee of management, for the prompt organisation of a system of official control and local management which would prevent for the future the possibility of any flagrant departure from a just and honest course of conduct, by any of the officers or agents of the enterprise. The Chairman (Mr. Schneiden) and Mr. Hanson gave notice of their intention to retire from the board of directors at the annual meeting in March. We are rather surprised that one and all did not at once relinquish the trust reposed in them by the shareholders, after the peculiar position in which one of their compeers is placed by the disclosures made at the meeting; for the continuance of the others to act as a body with that gentleman is a tacit approval of the course he has adopted, which being antagonistic to the feeling and approval of the shareholders assembled, compromises their own status in connection with the company's affairs. It is, however, probable that they will either do so forthwith, or require the retirement of the gentleman who has placed them in such as anomalous position.

require the retirement of the gentleman who has placed them in such an anomalous position.

The history of the Great Wheal Vor Company is a mining grievance. It is one of those cases which bring much discredit on mining enterprise, and creates alarm in the minds of those who would otherwise be ready supporters of this branch of England's industry. Negligence on the one part, and extravagance, if not worse, on the other, has destroyed all chance of this undertaking attaining that rank long since amongst the dividend-paying mines, which the known capabilities and prospects of the different setts would have enabled it to have done, if only ordinary energy in the management, and faithfulness in the manager and local officials, had been displayed.

Indeed, we can readily endorse the statement made in the report, on

Indeed, we can readily endorse the statement made in the report, on the testimony of mining captains and others competent to express opinions on such matters, that "the Great Wheal Yor United Mines is a property of on such matters, that "the Great Wheal Vor United Mines is a property of great and intrinsic value, and one which is deserving attention; and if properly and judiciously managed will remunerate the adventurers for the outlay that has been, and has yet to be, made to get to the bottom of the mine." It appears that the receipts on the sale of shares and ore up to Dec. 21, 1857, amounted to 294,7691, of which 120,8521, was for ore, while the disbursements up to the same date give an aggregate of a corresponding sum, less 11,4621, which is the present balance to the credit of the mine. Of the enormous payments made in four years, since Jan. 1853, only 40761, were divided amongst the shareholders in the shape of dividends; but, no doubt, a much larger amount might have been so appropriated if economy and caution had been used; therefore it will be the fault of the shareholders themselves if a better state of things does not exist for the future—more especially as the committee of investigation have taken great pains to carry through their unenviable labours with the utmost efficiency, by placing all points in a most lucid manner before their co-proprietors, and to suggest a system of future management which deserves the best consideration. It is only right to mention that the gentlemen who undertook this unpleasant duty were Messrs. Cole Cole, Petes Watson, John Divert, John Stoodon, and William Husband.

The predictions in our Journal of last week seem likely to be realised at an earlier date than even we had anticipated. The demand for metals has increased, and a concurrent advance in the price of mining properties has taken place. This increased business has not been confined to divihas taken place. This increased business has not been confined to dividend-paying mines, but speculative and progressive properties have partaken of the same beneficial influences. The state of the mining shars market has been such for some time past as to make brokers and other engaged in such transactions anxious to negociate. Doubtlessly a god business will be done by many, and large profits realised by early purchasers. This becoming known will bring a shoal of adventurers into the market, each with the "best possible investment." We quite expect, and neral meeting in Dec. last, to examine into the whole affairs of the undertaking since its constitution in Jan. 1853. Heavy charges are therein made against the board of directors for negligence, and, indeed, dereliction of duty, while accusations of a grave nature are brought against the manager at the mines. The shareholders met together, therefore, on the present occasion under painful circumstances, but we must bear testimony to the calmness and consideration with which all points were discussed; and however much it is to be regretted that the directors, as a body, they were wholly free from any other charge, or taint of any kind. We say as a body, because there was one exception made by the meeting, and several shareholders did not hesitate to express themselves unreservedly on the subject; therefore it is due to the other members of the board to mention that the gentlemen alluded to was Mr. Neale, the charge being that he had participated in the pecuniary benefit received by the manager under irregular circumstances, and had defended the acts of that officer to the very last. It likewise transpired that the reply of the board of management to the report of the committee of investigation was drawn up by Mr. Neale, not signed, nor indeed approved generally, by either the

JAN. disappoints as in all oth spectable, of having v digested, in gust, if not In makin genuine an and practic well knew itself to La Royal Excl

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as soon as they dispose of them act diametrically opposite, to the great disappointment and chagrin of the purchaser. As a general rule in this, as in all other transactions, to pay a fair price, and be concerned with respectable, tried principals is the surest and safest way to obtain sound stocks and eligible investments; in this way the speculator is almost sure of having worth for his money. But indiscriminate purchasing in half-digested, immatured schomes, in nine cases out of ten, terminates in disgust, if nothing worse.

In making these remarks, we beg not to be misunderstood as classifying all new attompts under the same category. Doubtless there are many genuine and good concerns about to be brought into notice by eminent and practical men, which have been delayed by adverse times; as they well knew that of late had they brought a patch of the Bendigo valley itself to London capital could nardly have been raised to test its golden produce; and that had its sarrierous sands been made as palpable as the Royal Exchange or St. Yaul's itself, Incredulity would have shaken her head, and oried "I don't it."

The misfortune of mankind is the rushing to extremes; and in no part of humanity's veakness is it more powerfully developed than in this particular instance. Let a man once have doubt, and if he finds a seconder to his opinion, at the persuasion in the world will never convince him; under circum stances exactly opposite he would not listen to advice, though everse so and or advisedly given. We, therefore, implore all to take the via media, and to well ponder the consequences they entail on themselves by mining adventure. We offer these remarks with all sincerity, feeling, as we do, the necessity for caution, which, if duly exercised, will ensure for mining that high standing the calling deserves, the security for capital its judicious outlay commands, and the rich reward perseverance and economy invariably realise.

By discountenancing mere speculative "bal sellers," these parties would

that high standing the calling deserves, the security for capital its judicious outlay commands, and the rich reward perseverance and economy invariably realise.

By discountenancing mere speculative "bal sollers," these parties would be driven out of the market; for were there no purchasers of such stocks, there would assuredly be no offerers. It may be relied on as a rule, that where inordinate advantages are put forward as a bait there is something wrong. Truly, all the good things are not appreciated at home; but in every instance are parties alive enough to their own interests to obtain value for value, without throwing away their properties in wholesale bonuses. Besides, the opportunities for viewing the mines by themselves, or by employed trustworthy scientific agents, are now so great, that persons have little to reflect on but their own folly if they be deceived. With these remarks we conclude, feeling we have done our duty in calling their early attention to this subject, anticipating a time is at hand when all their warfness will be required, and whon, if due caution be exercised, much benefit may be realised, or much capital squandered and lost.

That astute and far a ning potentate, Napoleon III., in his speech on opening the French Chambers, in referring to the welfare of France, amongst other important particulars, prominently mentions the "working opening the French Chambers, in referring to the welfare of France, amongst other in portant particulars, prominently mentions the "working of new coal rates in the north and east of his dominions." There can be no doubt but that he is desirous of cherishing that branch of industry he has see a conduce so much to the greatness of Great Britain. His observation should be as well considered here as by the inhabitants of France. The words of so shrewd an economist should not be lost upon us. We by all means should remember that our welfare too, in no small degree, depends on the development of our new mines, particularly of coal; but, nevertheless, the whole series ought to be included. No part of the world is better stocked with the raw material, whether for the minerals themselves, the sinews and intelligence with which they are to be wrought, the facilities for rendering them marketable, or for the means of their disposal. Bare advantages, indeed, do the British Islands possess! yet we are but at the dawn of their development. Even where most practised, it is declared the ground has yet been but partially and imperfectly mined. Daily are important discoveries made; still it is proved there is plenty remaining for after ages. In many parts known to he highly charged with mineral, the fact has been looked on with unaccountable apathy and seglect. Ireland, that abundant field for enterprise, is as yet a terra incognita—in the history of mining comparatively a blank, to the diagrace of her capitalists, and to the loss of her national resources. Had her mines been vigorously worked, or a tithe of the capital squandered in visionary gold schemes been applied to these operations, the crice of distress that formerly so frequently rang in the ears of the inhabitants of these islands would, at all events, have been alleviated, if not wholly unknown, and emigration would not have deprived that country of her best and most hardy sons. They wanted that vise foresight which so eminently distinguishes the great authority we h

these islands would, at all events, have been alleviated, if not wholly unknown, and emigration would not have deprived that country of her best and most hardy sons. They wanted that wise foreight which so eminently distinguishes the great authority we have quoted. Wales, too, has her vast resources of lead and copper lying almost untouched and unknown. Even in Great Britain there are many places in which mineral is known to abound that are rarely visited by the miner.

Want of capital is the general cause of this state of matters. If a stupeadous foreign undertaking, requiring some hundreds of thousands of pounds for its estensible working, be announced, the affair is, or rather was, seized with avidity, if it had but sufficient interest and magnitude to be introduced on the Stock Exchange, by which means it assumed a character, standing, and consequence that a modestly-introduced home speculation, involving at most but a few thousands, never could attain; yet we venture to affirm that some half a dozen of our coal, iron, copper, lead, and tin mines have returned more profit to the proprietors than all the foreign speculations put together, besides the great advantages of spending our money in employing our own population. It may be depended on that Louis Napoleon is right in encouraging French industry in this department. In England, the nation does not depend on Government for patronage of important industrial works, and very properly so too. The miner particularly is independent on this score; the past few weeks have pretty plainly shown the consequence he is to the State. Our Cornish correspondent lately remarked that "the strike of the colliers at Cardiff is beginning already to tell seriously on the welfare of the commerce of this country. Scores of veasels are laid up at Hayle, Penzance, Devoran, &c., and hundreds are at Cardiff, unable to procure cargoes. The stopping of the mines here, too, is preventing the import of coal, whilst return freights of copper ore can only be had by old favourites."

This

ting the interest on the share capital and debenture bonds, it is, therefore, now incumbent on ourselves to give a few facts in connection with this railway enterprise, that our readers may be better able to understand the merits of the charges made.

The Act of Incorporation was granted to the Geelong and Melbourne Railway Company in the spring of 1853, and the share capital was settled at 350,000?, with power for the directors to increase the amount by the issue of debenture bonds, or mortgage, to the extent of one-third of the capital paid up; the Government guaranteeing a minimum rate of interest of 5 per cent., for twenty years, on the share capital. But, on the other hand, the Executive protected the colonial interest in the matter, by reserving a right either to purchase the entire line after the expiration of ten years, and before the expiration of twenty years, upon payment of 250% for every 100% in the stock of the company, or by a sum equal to sixteen years' purchase of the annual divisible profits, estimated on the average of the three preceding years.

Consequently, the Government can, in the year 1863, compel the sur-

The payment of the bill, even after a most agreeable whitebait dinner, is a most unsatisfactory business; but it is impossible to describe the feelings of those who have to submit to the same ordeal after a length-ened and unsuccessful suit in a court of law. In most cases, however, this is the result to the plaintiff or defendant—either one or the other has this is the result to the plaintiff or defendant—either one or the other has usually to pay for both, showing how little disputants calculate the consequences of "going to law." We have a striking case in point in respect to the action of Greaves v. Where and Crawford. The plaintiff felt aggrieved, and would not submit tacitly to the outlay of his travelling and incidental expenses in visiting the property of the Little Down Mining Company, amounting to about 20t. or 25t., and instituted legal proceedings for the reimbursement of this amount, but, as our readers are aware, was readily defeated, and, consequently, forced to liquidate the expenses incurred on all sides. The day of reckoning has come. The judgment of the Court must be satisfied, and the little billets dows of the three different solicitors in the action have to be converted into cash. Collectively, we understand they amount to about 300t.—a pretty payment to the piper for the amusement of the dance, and verifying how true is the old proverb, that the first cost is the best, more especially in all matters where "law" is concerned.

where "law" is concerned.

Our chief reason for drawing attention to this usual and almost ineparable sequilist to an adverse verdict, is the amusing circumstance that, in taxation of costs before that hard hearted functionary, termed the

separable sequitur to an adverse verdict, is the amusing circumstance that, on taxation of costs before that hard hearted functionary, termed the "Master," only four guineas were allowed for the travelling exponses, services, and report of Professor ANSTED, in lieu of fifty guineas, set forth in the bill furnished by Mr. Wher's solicitor, as having been, or to be, paid to this professional mineral adviser.

Such is the estimate of the value of the services of mining engineers by those who sit as arbiters in legal payments; if the decision of the "Master" in question be the opinion and determination of the "Masters" generally. If it be so, it is truly a "frightful blow and great discouragement" to the profession; and a meeting of this scientific fraternity should be at once convened to protect their interests, and determine on the course to be pursued in consequence of this alarming invasion of their hitherto uninterrupted privileges and right to do as they thought proper, in respect to charges, without reference to either judge or jury.

Badinage apart, however, this is seriously a subject which should be considered by the compeers of Prof. ANSTED; for, although fifty guineas may be regarded as an extravagant charge for a trip to the Mendip Hills, yet four guiness is equally in the extreme in the other sense as an adequate satisfaction for travelling expenses, time, and trouble in going from London to the Little Down Mines, to inspect and report thereon. The mere railway fare to and fro would absorb the amount, and every person is worthy of his hire according to the position in which that person acceptedly stands with the general, or class, public. We do not know, for fortunately we are inexperienced in such matters, what the charge of the "Master" himself would be for "taxing" costs amounting to about 300l.; but we do not hesitate to say that his "Honour," or whatever this dreadful functionary is styled, would be sorry to receive compensation for his own services on the terms which he considers adequate under dreadful functionary is styled, would be sorry to receive compensation for his own services on the terms which he considers adequate under the cir-cumstances in which Prof. Ansted was engaged.

THE MINING AND INDUSTRIAL INTERESTS OF CORNWALL

JAN. 21.—There is more business doing in mining shares than there has seen for same time past, and, consequently, shareholders in most mines are demanding better prices. There is an impression, derived from various circumstances, that the standard for copper and the price of tin will very soon advance. The increasing cheapness of money will naturally ead to more mining investments; and as several mines are looking better han they did two or three weeks ago, we may expect that the share market will be much more active than it has been for some months past.

Last week there was no ticketing, and this week the sale is much less than usual, in consequence of the Devon Consols having considerably reduced their samplings, until the standard improves. Next week, Great duced their samplings, until the standard improves. Next week, Great Wheal Busy, for the first time during the present working, will stand at the head of the ticketing, having sampled 629 tons; and the representative of that mine will take his position in the chair at the ticketing table. It is a proud occasion for the managing agent of that mine, Capt. Pascoe, who has undoubtedly displayed great skill and energy in draining and laying open the workings of this extensive mine. Capt. Pascoe is well deserving of a testimonial; although, as a general rule, testimonials to agents should not be encouraged, for various reasons. At Wheal Buller meeting a dividend of 71. 10s. per share was declared. The mine is looking very well in the eastern part. Last year its productiveness greatly fell off; but this year it is likely to considerably increase again. The mine has produced, to the end of 1857, ores to the value of about 744,0001. South Tolgus shares have considerably advanced, the mine having imhas produced, to the end of 1857, ores to the value of about 744,000/. South Tolgus shares have considerably advanced, the mine having improved in the bottom, and the produce of the ores is higher than the average; shares are about 140/. East Basset shares have a little declined, but the mine is still in favour. Great South Tolgus continues to look well; the new lode is a promising feature. Alfred Consols shares are flat. Wheal Margery is looking much better at two or three points, and shares have gone up. There is a good report of Grambler and St. Aubyn; the bottom level is holding out encouraging prospects. Wheal Basset shares have advanced to 160/. and upwards, in consequence of the improved appearance of the bottom of the mine. Cargoil continues to have a productive lode in the 70, and is looking well. Tolvadden has a capital lode of rich ore in the shaft, and will soon take a good position. Levant Mine is We have hitherto studiously refrained from transcribing, or even alluding to, the stringent remarks made by various of the Melbourne press, in reference to the position and management of the Geelong and Melbourne Railway; but as the subject has been prominently brought before the public during the week by a letter from a gentleman, purporting to be a large shareholder, making grave charges against the Government of Victoria, and the directors of the railway, for breach of faith in non-remitting the interest on the share capital and debenture bonds, it is, therefore in the shaft, and will soon take a good prospects. Wheal Basset shares between level is holding out encouraging prospects. Wheal Basset shares between the week by a letter from a gentleman, purporting to be a large shareholder, making grave charges against the Government of Victoria, and the directors of the railway, for breach of faith in non-remitting the interest on the share capital and debenture bonds, it is, therefore in the shaft, and will soon take a good position. Levant Mine is stated to have much improved. Shares in North Frances have also somewhat advanced.

Those who look back for a series of years to the copper ticketings, will see that the average produce of the copper ores of the county is gradually decreasing; and it would be of much service if some ingenious person could invent a method of making profitable use of the poorest classes of ores. Attention was drawn in the Journal, a few weeks ago, to a method practised near Linz, on the Rhine, by which poor copper ores, containing only 1 or 2 per cent. of copper, could be advantageously worked; the copper being converted into sulphate by the action of sulphurous acid and steam. The acid is obtained from the roasting of zinc blende, mixed with 8 or 10 per cent. of coal; and there appears to be no reason why the process should not succeed in Cornwall as well as in Germany. There is too little enterprise of this nature in Cornwall. If a Miners' Institute was established as was suggested some time ago, when an Engineering Institute for South Walse was announced), the profitable reduction of poor copper ores might be one of the subjects for enquiry and discussion, and Those who look back for a series of years to the copper ticketings, will age of the three preceding years.

Consequently, the Government can, in the year 1863, compel the surrender of the enterprise into their hands, which may necessarily be very advantageous to the Colonial Executive, but of equal disadvantage to the shareholders, inasmuch as it is possible that the 16 years purchase, as the average of the three years' profits, may entail a great loss, even on the 100%, share; therefore, it is not likely that 250% will ever be given for

the 100% paid, and the Government have adroitly inserted this optional clause into the Act, so as to have full power in their hands.

Availing themselves of the powers granted, the directors have issued debenture bonds, at both 7 and 8 per cent. Interest, redeemable in the years 1861 and 1863. The non-payment in due course of the interest on the share capital by the Government, and on these debenture bonds by the company, amounting collectively to nearly 500,000%, live-sixths of which are held in this country, has led to the letters which are now before the public. No reason has yet been assigned for the irregularity on the part of the Government, or the directors of the Geology and Melbourne Railway, for the failure of their engagements in this respect.

From all that has transpired, it is clear that the Government guarantee is literally of no consideration where the intentions of those who promote railway enterprise and and where there are prospects of reductions of the Government for a guarantee, and now pay an interest of 14 per cent. The construction of this line was likewise the result of private enterprise, and we have throughout advocated the want of sound policy on the part of the Government by interfering in these projects, and not leaving them entirely to public competition. The Geology and Melbourne Railway is one of moment for the general interests of the colonists, as the commencement from the capital of a series of lines, which must, soone commencement from the capital of a series of lines, which must, soone or the proposed of the colonists, as the commencement from the capital of a series of lines, which must, soone of the colonists, as the commencement from the capital of a series of lines, which must, soone company and the live in the mining interest will be found in the House of Commons on the subject, seems to be a chance of defeating the measure, if the mining interest will be found in the House of Commons on the subject. The sum may not be very large, but it will be adding to the burdent o

tion in justice.

At the Quarter Sessions at Bodmin, Josiah Hockin was indicted for stealing a quantity of brass, the property of Mr. Michael Wilh, was and others, from their manganese works, at Slimesford, in the parish of Calstock. A water-wheel is connected with machinery for stamping and breaking manganese, and there were brasses connecting the flat rod with the crank, which brasses were stolen. The prisoner was found guity, and sentenced to four months' imprisonment with hard labour. The new county constabulary were concerned in the above case, and are making themselves very active in most parts of the county. In the western division of the county, especially about Camborne, the new force is by no means liked by the miners. They have been very busy in bringing publicans and beer-shop keepers before the magistrates, for keeping open their houses at illegal hours for the sale of liquor; and on pay-days at the miners can now scarcely venture to get drunk, lest they should be pounced upon by a policeman. Sundry little fights used to take place on such occasions, just with the view of trying which was the "best man;" but now such amusements must be very cautiously indulged in, as there is a risk of being fined, perhaps more than the tributer would get for the next month, unless his pitch was a very lucky one. The result is, that the miners and the publicans do not at all admire the new police; but society generally is likely to be better served by the change, and the well-disposed amongst the miners cannot but approve of it.

The agriculture of the county is prosperous. The wheat is growing luxurantly, and the prices of cattle and sheep are firm. The corn markets have declined, and wool has gone down 30 per cent. in consequence of the depression of the manufacturing interest. The shopkeepers in the mining districts are feeling the effects of the reductions of wages. The At the Quarter Sessions at Bodmin, Josiah Hockin was indicted for

of the depression of the manufacturing interest. The shopkeepers in the mining districts are feeling the effects of the reductions of wages. The electric telegraph to Falmouth is much in use, principally by the shipping interest; but mine shares are also purchased and sold by it, in communication with the London market.

REPORT FROM YORKSHIRE, DERBYSHIRE, AND LANCASHIRE [FROM OUR CORRESPONDENT IN CHESTER/IELD.]

JAN. 21.—The Coal Trade is about the same as when last reported. Another fatal accident by the breaking of a pit-rope took place at the Clay Cross Collieries, on Monday, by which four men lost their lives. hese collieries, as is well known, are well supplied with first-class machinery, and great attention is paid to the rules and the discipline of the nen. The pit where the accident occurred is known as the No. 3 Tupton Pit, and the rope used for drawing was a wire one, manufactured by Messrs. Newall, of Newcastle. The rope was examined in the morning, and again at noon, and no defect was noticed. It had been used during the day for drawing coals, about 200 tons

Pit, and the rope used for drawing was a wire one, manufactured by Mesers. Newall, of Newcastle. The rope was examined in the morning, and again at anoon, and no defect was noticed. It had been used during the day for drawing coals, about 200 tons having been drawn up that morning. After dinner, the four deceased men got om the cage to be let down the shaft, a distance of of nearly 70 yards, and their bodies fearful precipitated down the shaft, a distance of of nearly 70 yards, and their bodies fearful orcusied. They were all picked up dead at the foot of the shaft, and conveyed to an inn, to await the coroner's inquest, which was held on Wednedday, before Mr. Busby, coroner, when a number of witnesses were examined touching the nature of the secident, and how it had been caused. They were all agreed as to the fact that the taskie and machinery at the pit were good, and none of them could satisfactorily second for the breaking of the rope. Mr. John Hedley, the Government Inspectory who attended the enquiry, said he had examined the rope and machinery at the pit. If the rope had been broken by being off the drum there would have been indications of it on the drum-flange, and the framework would have been chafed, which was not the case. The rope was a good one, and of good quality, and calculated to draw as greater weight than it had been drawing. He had tested it severely, but could nest ascertain the extent of the strain. He was of opinion that the strain caused by the weight of the cage and men had broken it. He did not find any breach of rules or neglect of duty, or better tackle and machinery in the midland counties than there was at Clay Croos Collieries. The coroner summed-up the evidence, and told the jury that he did not consider any person was to blame. The jury returned a wordet of "Accidental Death." The latter of the deceased, James Green, exonerated every person from blame. Another accident took piece in one of the ironstone pits on the same day as the last, which resulted in the death of Richard Ka

buy a new one. He showed Mr. Robert Garside three cracks in the bolier on the Monday (two occurring within three days), and recommended a new one. Mr. Loxley Horsfield syld this bolier to Messrs. Garside four years ago. The bolier was a second-band one, and he sold it at 41 per ton, a little better than the price of old fron: but there were extras, such as new "lugs," and new vivets. A good bolier, new, and made with Low Moor plates, would have been 281, or 291, per ton; but with ordinary plates near the fire, the cost would be 177, per ton. Since the bolier was sold, he had had nothing to do with it. He considered it safe to work with 25 ho. 30 lb, pressure at the time it was sold. He would not consider it safe to work at 42 lb. to the square inch. Since the explosion, he had seen a piece of piping placed on the layer of the vaive. This was not done by his orders, nor would he have recommended such a thing. This piping would make the pressure 32 lb. to the equare inch, being an addition of 8 lb. Mr. T. Wilkes Lord, consulting engineer, and Mr. John Hetherington, engineer and boiler maker, had both examined this boiler shortly after the explosion, and agreed in opinion respecting their examination. Both their reports were read, entering into considerable detail. Mr. Lord's stated that the explosion was caused by excessive pressure of steam, and not by deficiency of water; that the boiler was totally inadequate to bear high pressure, by form, structure, and condition; and that its use was not only impradent, but in his judgment unjustifiable. Mr. Lord said the construction of the boiler, by means of angle irons, was altogether unusual and radically bad, being very likely to be cracked. There were six or seven patches altogether on the south side of the boiler. He dared not have worked the boiler at any such pressure as that stated; he would not have worked it above 31b. pressure on any consideration. It was very unusual to have a good boiler at 41 per ton: the very price would set him against it. The Coroner sai

THE IRON AND METAL TRADE OF SOUTH STAFFORDSHIRE. [FROM OUR CORRESPONDENT IN WOLVERHAMPTON.]

Jan. 21.—The iron trade presents some faint indications of improve-ment, but they are only very alight. Lower prices are leading to more enquiries for rails and other kinds of iron, and the gradually increased case which prevails in the money market will, no doubt, have the effect of inducing companies and individuals to purchase at the present reduced rates. Is allways, too, are being promoted in Brazil—a country which is rapidly becoming an important eastoner of this country and this district—in Victoria, and South Australia, not to speak of the Rassian lines, which will now be again pressed upon the money market. Pig-from is not the drug it has been, and best qualities realises 3t. 15s., the rates varying from 3t. 10s. to that sum for a good quality of hotblast pigs. The notice to puddlers, milinen, and others, employed in the manufacture of iron, expired on Saturday. In the immediate neighbourhood of Wolverhampton the puddlers are generally at work at the raduced rates; but about Dudley. Tipton, Wednesbury, and West Bromwich, they have refused to accept it, and have hid meetings on the subject. Some of the men offer to go; in at half the reduction required. The proposed drop is about 11 per cent., Song precisely the proportion in which what are called the trade prices have \$\frac{1}{2}\limes in the mass of \$C^*_{gr}\$ really more than that formally agreed to. The men out on strike appear to \$\frac{1}{2}\limes very determined to resist the reduction, but the masters are equally determined to enforce it; and the latter having reason on their side, and being in most case* well prepared to suspend operations for a time, in the present scarcity of or ler", little doubt can be entertained that the men must give way. To-day, a minor and of the men was held, adjourned from Moniay, at a publichouse, near Wedd'-shory, kept by an old puddler, and called "The Cottage Spring." Some two hundred more were prevent in the club-room, consisting, as it was stated, of deputation; as from most of the works in the district, and shout three hundred more write side up no triber lights," to stand together, and to resist the reduction; remarking have the more properly enquiries for rails and other kinds of iron, and the gradually increased ease which prevails in the money market will, no doubt, have the effect of

shortly follow. A teaction in the wages of the tinex coal collers win probably in the General Trades of the district very little is doing. The home demand is very slack, and, with the exception of the South American, the foreign is almost sail. In the tin and lapan trade improvement is likely to be felt in a month or six weeks, the present being always a very quiet time in these trades. As anticipated in this letter, tin has reached its lowest point, a rise of 5s, per cet, being announced yesterday. The satisfactory statement of the prompt way in which accounts were met last week may be extended to the present, as a large number of the quarterly payments are, as a rule, paid the week after quarter-day; and the houses engaged in the general hurdware trades paid cash with almost unusual regularity. Happly, the seneral trades of the district are conducted on far sounder principles than those of the iron trade.

seneral trades of the district are conducted on far sounder principles than those of the iron trade.

A brief reference was made last week to the unfavourable result of an investigation, directed by the Wolverhampton and Staffordshire Bank, to be made into the affairs of Messrs. Wm. Riley and Son, who failed in Nov. last, with listhlities exceeding 240,0001. At a meeting of creditors of the firm it was decided; to accept a dividend of 7s. 6d. in 1l., but the bank, before agreeing to this proposition, insisted upon a stricter investigation of the value of the estate. A meeting of the inspectors appointed by the creditors was field at the office of the solicities being nearly worked out, and some of the mines—which formed the shief ground of hope for the creditors—was read. It is said to be most unfavourable, the collieries being nearly worked out, and some of them requiring considerable outlay to reader the remaining minerals available. The gist of the report said to be, that at present prices, and in case the minerals can be profitably consumed at the furnaces, that the mines in work, and requiring no further outlay, will yield about 70001, in two years or two years and a half, and will then be exhausted, and that the remaining mines will require an outlay of about 50001.

—nearly the whole estimated produce of the others—too open them, when they might realise a profit of 60001, a-year for four years, at which time they boo would be say hausted. It need hardly be said that this report is most unfavourable, and that the sarches are understood to have withdrawn from their officer, leaving the creditors no other guarantee than the property, the value of which designed upon the mines? Under these circumstances, it is stated that both the bank and the committee appointed by creditors are unanimously of opinion that the estate must be immediately realised in bankraptey. It is, however, intended, on the part of the insolvents, to call a full meeting of the creditors, with a view to their consent of an arrangement by w A brief reference was made last week to the unfavourable result of an

REPORT FROM MONMOUTHSHIRE AND SOUTH WALES. [FROM OUR CORRESPONDENT IN SOUTH WALES.]

Jan. 21.—The remarks we have made for several weeks past on the trade of this district might be repeated with equal accuracy and justice this week, with one or two alterations. The strikes have died away generally, though a portion of the Aberdare men still linger out, and try to get a living by begging. The same depression is observable in the iron and coal trades, although at one or two of the works an increase of orders has lead to a ronewal of activity. The export trade, notwithstanding every drawback, continues to be carried forward on a large scale. The shipping returns show an increase on the number of tons of coal shipped, both at Cardiff and Newport, and both the foreign and coasting trades are rapidly extending. This fact alone proves what we have so often advanced, that no period of disaster can permanently affect the prosperity of the district.

The first meeting of the South Wales Institute of Engineers was held at the Castle Hotel, Merthyr, on Wednesday, the 20th inst. The large attendance of members showed that great interest is felt in the operations of the society. Mr. Menelaus, the president, delivered an admirable opening address, and afterwards most interesting papers were read, by Mr. Rogers, of Abercarns, on the "Manufacture of Sheet-fron for Tinning, and the Processof Tinning;" and by Mr. Parry, of Ebbw Vale, on the "Construction of Blast-Furnaces." After the conclusion of each paper an animated discussion ensued, and the proceedings throughout were characterised by the greatest usefulness. The papers and discussions will, we understand, be printed and circulated among the members, who now number about 100. The society promises to become a highly important one, and men of extensive scientific attainments are aiready connected with it.

We hear from Nant-y-Gio that the works there are in full operation, and that the men are not piaced upon short time, as in many other parts. At Abercarne, also, not much slackness is experienced, but at Blains trade is very dull; along the easter valleys the same facts to beervable, but we trust better times are at hand. Orders are beginning to come in from America, but they are not in great this week, with one or two alterations. The strikes have died away gene

not much slackness is experienced, but at Blaina trade is very dull; along the eastern valleys the same fact is observable, but we trust better times are at hand. Orders are beginning to come in from America, but they are not in great favour at present with the majority of the ironmasters.

An inquest has been held at Dowlais on the body of a miner named David Owens, aged 41, who was suddenly killed on the 13th inst. He was working in the Gwenlington in the Gwenlington in and left off to try if the work was safe; after an examination he conceived it was, and kneeled down to continue holeing, when about seven tons from the face fell upon him, causing his immediate death. The accident being one of frequent occurrence in the district, and no party being blameable, a verdict of "Accidental Death" was returned by the jury.

On Monday, the new suspension bridge, on Dredge's principle, at Caerhowell, which spans the River Severn, upon the road leading from Garthmill to Montgomery, and about four or fire miles from the latter town, suddenly fell, and in its fall precipitated into the river two teams of four horses each, and the wagoners, one of wom unfortunately lost his life. An inquest has been opened before Dr. Slyman, coroner for Montgomeryshire, when, after some formal evidence, it was adjourned until Wednesday next, when Mr. Evan Hopkins will report on the structure.

Accounts have been received from the Merthry district of a more favourable character than we have reported latterly. At Treforest the puddlers have again resumed work, and at neighbouring places signs of renewed activity mixe themselves apparent. The di-pute between the Taff Vale Company and the freighters seriously interferce with trade, and it is stated that one of the collieries, which ordinarily produces about 400 tons daily, forwarded to Cardiff, has stopped through the obstacles in the way of transit. It is also rummored that a notice of action has been evered to the michaeles of action has been evered to the michaeles of the michaeles out the

pended, owing to the mine being under water, the present small engine being too limited in power. It has been agreed to put down a large engine.

siderable quantities are being shipped at this rate, or thereabouts. A number of vessels are loading in the docks with iron, at prices averaging between 21s. and 22s. The cargoes are generally for Genoa, Naples, Malta, Lima, and Palermo.

INDUSTRIAL PROGRESS ON THE CONTINENT.

[PROM OUR PARIS CORRESPONDENT.]

Jan. 21.-Whatever amelioration may have taken place in the metal narket is slight and partial. If prices are maintained this firmness must market is slight and partial. If prices are maintained this brunness must be imputed rather to wide spread belief in the future prosperity that is in store for the trade, than to any actual improvement. Orders are few, and comparatively unimportant, No sales of forge pig have been effected during the week that are worth mentioning, but the quotations are still 64. 4s. 3d. per ton. For some time past the large works in the Moselle, Châtillonnais, and the neighbourhood of Paris, have bought but little of this material, and yet the another than the still of the same proportionately diminished. There has been a difference in the production has been proportionately diminished. There has been a difference in the production has been proportionately diminished. There has been a difference in the production has been sense works deliver them at from 124. 16s. 3d. to 134. 4s. 4d. and others prices of rolls; series works deliver them at from 124. 16s. 3d. to 134. 4s. 4d. and them at from 124. 16s. 3d. to 134. 4s. 4d. and them are the same proportion. Nail rods have recovered way axies, and smith's from are to the same proportion. Nail rods have recovered way axies, and smith's from are to the same proportion. Nail rods have recovered their temporary depression, and from 124. 18s. 3d. in Paris; No. 21, and higher numbers as a difference in the same proportion. Nail rods have recovered have improved, and are well sought abs. "one order alone of about 6000 yards has here in a proportion of the same proportion." In the same proportion of about 6000 yards has here in the same proportion of about 6000 yards has here in the same proportion of about 6000 yards has here in the same proportion of about 6000 yards has here in the same proportion of about 6000 yards has here in the same proportion of about 6000 yards has here in the same proportion of about 6000 yards has here in the same proportion of about 6000 yards has here in the same proportion of about 6000 yards has here in a proportion of about 6000 yards has here in the same be imputed rather to wide spread belief in the future prosperity that is in

AN IMPORTANT DISCOVERY OF NATIVE MERCURY, in the substratum on which the town of Montpellier is built, has been reported to the Academy by M. de Rouville. This gentleman states that he has ascertained the presence of native mercury—beneath the fish market, which is in the centre of the city—under entirely new conditions, as signalised by Abbé Sauvages (1760), and after him successively by Amoreux, Gouan, Gensanne, and Poitevin. The last-named wrote so far back as 1803, that it was worthy of note, as a singular circumstance, that the city of Montpellier is built on a mine of "virgin mercury." In digging for the foundation of a new market near the old one, a metaliferous stratum was exposed to view, consisting of a pudding-stone. The portions were large, calcareous, and with sitious parts, solidly cemented together. The ferruginous colour of the stone was the same as that of an earth in the neighbourhood of the town, which underlies the white marls of lacustral origin. The native mercury, which up to the present time had been noticed only as the marls and sand, was found in considerable quantity in the pudding-stones, in the state of globules, more or less voluminous, athering to the pebbles, and penetrating the mass, or concentrated in the state of micro-copic globules in small cavities, similar to the Calcédemores grades in the St. Owen limestone. The discovery of native mercury in a modern stratum, far removed from any igneous centre, and without the least trace of cinabar, furnishes a chemical pro-lem which it is to be hoped science will soon solve. Chloride of mercury has been remarked in the marls mentioned above, it is to be enough that the native mercury results from a reduction of the chioride, or that it has been formed by sublimation. by M. de Rouville. This gentleman states that he has ascertained the

MANUFACTURE OF WROUGHT-STEEL.

At the Society of Arts, on Wednesday, Mr. Wm. Clay, of the Mersey Steel and Ironworks, Liverpool, read a paper showing the advantages to be derived from the use of puddled or wrought-steel manufactured according to the patent of Mr. Ewald Riepe. The Low Moor Iron Company have up to this time made about 1000 tons of the puddled steel, but have

be derived from the use of puddled or wrought-steel manufactured according to the patent of Mr. Ewald Riepe. The Low Moor Iron Company have up to this time made about 1000 tons of the puddled steel, but have not carried the manufacture beyond the puddling process, but have sold the puddled bars to Sheffeld, and more especially to Measrs. Naylor, Vickers, and Co., who have used it largely for the manufacture of their cast-steel belie, patented by the same inventor. Mr. Riope's improvements consist in a peculiar method of working in the puddling furnace; in converting pig-tron or alloys of pig-tron and wrought-tron into steel with the co-operation of clay in the furnace, and by the co-operation of atmispheric air.

In the puddling furnace in the same way as for making wrought-tron, and large steel and the steel with the co-operation of atmispheric air.

In the property of about 250 lbs. of pig-tron, and raises the temperature to red-ness. As soon as the metal begins to the and trickle down in a fluid state, the damper is to be partially closed in order to temper the heat. From twelve to sixteen abovelful of iron cinder discharged from the rolls or squeezing machine are added, and the whole is to be uniformly melted down. The mass is then to be puddled, with the addition of a little black socide of manganese, common salt, and dry clay, previously ground together. After this mixture has acted for some minutes, the damper is to be fully opened, when about 40 lbs. of pig-tron are to be put into the furnace, near the fire bridge, upon elevated beds of cinder prepared for that purpose. When this pig-tron is raked luto the boiling mass, and the whole is then well mixed together. The mass soon begins to swell up, and the small grains begin to form in it and break through the melted clinder on the surface. As soon as these grains appear the damper late to the surface and the process the heat should not be raised above cherry redness, or the welding heat of shear steel. The blue jets of flame gradually disappear, while the

every iron work.

It is somewhat worthy of remark that, although this process is so novel, and, apparently, of so delicate a nature, yet, with the specification as his only guide, having never before heard of or seen the operation, it succeeded perfectly in the first tria which was made, and produced so excellent a steel that, after working about 100 tons it has hardly been surpassed. He had used pig-iron of all descriptions, North Weish South Welsh, Staffordshire, and South, with the same result—the production of a

which was made, and produced so executents steet that, after worsing about 100 tons, that hardly been suppased. He had used pig-iron of all descriptions, North Weish, South Weish, Staffordshire, and Scotch, with the same result—the production of an excellent steel; but he had not found, so far, anything like the great difference that he expected between hot and cold-blast iron. Most excellent results have been obtained from both; this is more particularly important as it shows that the extent to which this manufacture may be carried need not be circumserized by the very limited supply of cold-blast pig-iron.

The puddled-steel bar when broken shows a clear crystalline and even fracture, and has the usual sonorous and musical tone when struck. The crystals appear much finer and more regular than in ordinary bilster steel; in fact, to the unpractised eye the appearance was quite like that of the best cast-steel, and it has all those distinguishing features by which steel is known from iron. It hardens to any degree that may be requisite, taking all the colours which develope themselves under the different degrees of heat, and may be made into such articles as ordinary chisels direct from the puddled bar; it will take a very fine polish, and has the same amount of clasticity that steel usually possesses.

One extraordinary feature in regard to this wrought-steel is, that it can be produced either of a harsh, hard, unyielding obaracter, or of a soft, silky, fibrous structure, or of any of the grades between these two points, and that a bar when quite cold may be bent up double and perfectly close (with extreme difficulty certainly, on account of the great stiffness of the material) without the elightest sign of fracture, but, when forced back again, a beautiful long silky fibre is apparent; or if a piece of steel plate be partly cut through with a chiesel and then broken, it appears be suitfully fibrous; if made into a tool, for instance, and hardened, it at once assumes the crystalline character peculiar to steel.

by the strain caused by shrinkage), unless the steel casting is after wards subjected to the hammering or rolling process before mentioned, by which the particles of steel are relieved from their shrinking strain, and are consolidated and allowed to assume a comparative state of respose. In the manufacture of forgings from puddled steel, the case is very different. We possess, in the best puddled and allowed to assume a comparative state of repose. In the manufacture of forgings from puddled steel, as great, if not a greater amount of strength as in case-steel under the most favourable circumstances; and as the particles of wrought or puddled steel are never in a state of fusion from the time of their first piece, and also the grain of the puddled steel and steel state in avoided in the first piece, and also the grain of the puddled steel and say be so placed in the forging to be made as the strain which it will be called upon to resist may require, and the different descriptions of steel, whether crystalline or fibrous, may be arranged in the best positions as regards strength and continued to the position of the steel steel steel the position as regards strength and the steel steel steel steel that the platon forged solid, is in. diameter, for a Nasmyth hammer), large roll screws, shear pins of all sorts, rolls for roll'og iron, hammers and anvils, and for a variety of other purposes. In making these for large no difficulty was experienced, rather more time was required on account of the nec-welly of heating the steel slowly, and also because the hammer did not make the same impression on it that it does upon if ron. The effect of forging upon this steel is to consolic's it, and when broken in the usual manner, the appearance of the crystals is much flar. Than when it is rolled, as might be expected. Of all the various uses to which this vicel may be applied, there are parhaps some so important as its application to marine and railway purposes; for the former use the material offers directly sound to the stee

DARTMOOR-No. 11,

The primary stratification of Dartmoor is granite; the surface, consisting of an extensive tract of land or range of hills, with innumerable lofty and rocky tors, which can be seen at a considerable distance at sea, although its nearest approach to the coast is upwards of twenty miles. Towards the weat the ground slowly declines in an undulating form. From the base of those hills rise numerous streams of water and rivers, running through valleys which are generally composed of killas or clay-slate, elvan, and decomposed granite.

the base of those hills rise numerous streams of water and rivers, running through valleys which are generally composed of killas or clay-alate, elvan, and decomposed granite.

The forest of Dartmoor was originally an extensive demene, but is considerably curtailed by grants of land, which are now highly cultivated estates. According to a perambulation made in the reign of Henry III., the breadth from north to south was estimated at 20 miles, and from east to west about 10 miles, exclusive of the surrounding commons, being the extent at the present time, the whole of which is traversed by innumerable mineralised lodes and cross-courses, from whence almost every kind of mineral has been taken; but tin appears hitherto to be the great and staple article of commerce which drew the attention of not only our own race, but others long before the Christian era.

There is scarcely a valley within the precincts of the moor, as well as every other tract approaching the influence of the granite hills, where water could with any degree of possibility be conveyed for the purpose but have been streamed for tin. Streaming appears to have been the original mode of operation; for the mineral was extracted whichout the aid of complicated machinery, and freely obtained by washing the loose soil and sand from the sought-for article, leaving it almost pure.

We find in various parts of the moor that these works must have been carried on upon a most extensive scale, if we be allowed to make any estimate of the immense lengths and breadths of most of the excavations which have been made—a most undeniable testimony that the workings were attended with success. So great must have been the refuse washed away in the operation of streaming, that strong apprehensions were manifested as to whether it would not block up the harbours into which the

which have been made—a most undeniable testimony that the workings were attended with success. So great must have been the refuse washed away in the operation of streaming, that strong apprehensions were manifested as to whether it would not block up the harbours into which the rivers were emptied. Leland, in his Historical Account of Plympton St. Mary, notices a river or brook in that parish as "almost clene choked with the sandes from the tynne workes;" and we are further told that, in 1512, W. Strode, M.P. for Plympton Earle, having procured an act to prevent blocking up harbours with stream works, was prosecuted by the tinners in their court, then held on Crockern Tor, and heavily fined, and on his refusing to pay the same was seized and confined in Lydford Castle, and kept in irons on bread and water for more than three weeks.

In 1531 and 1535, the 23d and 27th of the reign of Henry VIII., Acts were passed for making hatches and tyes to prevent the choking of rivers by stream works at the ports of Plymouth, Dartmouth, and Teignmouth, in Devon, and Falmouth and Fowey, in Cornwall, which palpably testifies that very considerable operations must have been carried on in searching for tin in the localities of the respective rivers Plym, Dart, and Teign, from which the former towns derive their names.

Lydford Castle was the place of assize and punishment for all matters connected with the Tinnors' and Stannary Laws of Dovon; it was formerly a place of some importance, being the principal stannary town; and Bruce, in his History of Devon, states that Julius Casar honoured it with a visit soon after his invasion of Britain. The Phonicians were a great commercial people, and it appears they navigated their ships to the port of Plymouth (as well as the more western part of Cornwall), from whence they carried tin to Gaul. The western part of Dartmoor appears to have the larger portion of old mines and stream works which are the nearest points to the Tamar and Plymouth; consequently it favours the assumption that th

it is supposed formerly covered the surface (hence the definition of "Forest of Dartmoor"), for the purpose of reducing iron and tin ores to a metallic state: but whether this be a fact we are not in a position to aseert, not having in our search any tangible evidence; still we have met with sufficient to prove that the Romans worked for minerals in the numerous excavations and stream works, inasmuch as Roman coins and implements used by them in mining operations have been found. In the Anglo-Saxon era we find that in the reign of Ethelred II. the minting towns of Devon were Lydford, Totnes, Barnstaple, and Teignmouth: affording sufficient to assume that these places were situate in a locality abounding with minerals, for we may reasonably entertain the belief that as those towns were not of such importance, or so situated, as to facilitate the bringing of metal thither for the purposes of coining, but rather that it was the production of the respective localities. It cannot be conceived that the Anglo-Saxons were ignorant of the mines, although but few records exist of their proceedings, however successful or unsatisfactory the results, but their labours could not have been carried on and maintained by that indefatigable industry unless remunerative to those engaged; indeed, it appears, and the assumption corroborated, from the depth, the length, and breadth, of the operations, that they followed the tin until driven from their eager work by the influx of water, and not having the appliances or machinery for draining or pumping the same (which we possess at the prenumerous excavations and stream works, inasmuch as Roman coins and eager work by the influx of water, and not having the appliances or ma-chinery for draining or pumping the same (which we possess at the pre-sent time), have from necessity left for us to complete what they have so sent time), have from n-cessity left for us to complete what they have so nobly and perseveringly pursued. That the workings are not of the previous or last, but centuries before the Roman or Norman conquests.

Since the Norman Conquest there has been 16 Barls and 10 Dukes of Cornwall, who have possessed the manor of Dartmoor, and although the

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revenues have greatly diminished in the interval, still the Duke of Cornwall enjoys important privileges. He becomes duke as soon as born, or his father King of England—is allowed to prosecute and defend by his attorney-general—has a privy council—and the power of appointing the sheriif for the county of Cornwall—is entitled to sit at the right hand of the king or queen in solemn assemblies of state—and receive 40s. for every 1000 lbs. of tin weighed and coined in the Stannaries.

From records before us, we find that by a survey of the Duchy, made in the 44th year of Elizabeth, the coinage towns in Devon were Chagford, Aiseberton (Ashburton), Plympton, and Tavistock, and the returns made from those places were 98L 71s. 11\frac{1}{2}d.

The Stannaries of Devon at one period largely increased the revenues of the earldom or duchy. In the resign of John that county yielded more than Cornwall, for the coinage of tin in the former amounted to 1000, yearly, whilst in the latter it was only 100 marks; and in the 14th of the same reign William de Worth accounted for 2000. (a considerable sum in those days), as the farm of the Devonshire Stannaries.

The Stannary Courts, for both Devon and Cornwall, were formerly held on Hengeston Hill, about three miles from the River Tamar, which divides the two counties, until separated by a charter of Edward I., when the courts for Devon were held on Crockern Tor, although retaining in common one Lord Warden.

By these testimonies of our research, we are desirous of showing that Dartmoor, at one period was the all-important mining district of Great Britain, and surpassed in returns (especially for tin) the now vast expanse of mineralised Cornwall. Copper probably was but little known before the last century; but we believe we can show by subsequent operations that this long-neglected Dartmoor was, and will again become, the scene of enterprise, industry, and capital, and that few years only will elapse before we shall be witnesses of as many streamers expanding their folds to the win

LONDON JOINT-STOCK BANK.

The half-yearly general meeting of proprietors was held at the offices of the bank, Princes-street, on Thursday,—Mr. Wm. Bund in the chair.

The Sucharman read the notice convening the meeting, and the report, from which the following is condensed:—

The accounts exhibit the position of the bank on Dec. 31, and it will be seen that after providing for all locases and charges, there remains a neit profit of \$8,5661.9a. to which the directors have appropriated as follows:—37,5004. to a dividend, at the rate of 13% per cent. per annum; 30,0004, to a bonus of 10s, per share: 16,0664. So, to the readily of the guarantee fund.

By the above addition, and the accruing interest, the guarantee fund is raised to 187,0144.9a. Id.: and the directors feel very condident that its augmentation of their reserve will be satisfactory to the shareholders, when viewed in connection with the enlarged scale of the bank's operations.

Paid up capital	£800,000	0	0			
Amount due by bank	10,737,580	19	4			
Guarantee fund and interest	170,948	0	1			
Undivided profits, last half-year	9,246	19	3			
Amount earried to profit and loss ac	157,107	14	4=£11,674,883 1	3	0	
Exchequer bills, India bonds, and Go-						
vernment stock	£1,199,644	1	1			
Cash, loans, bills discounted, and other						
securities	10,431,644	11	11			
Buildings, furniture, &c	48,575	0	0=£11,674,883 1	3	0	
The CHAIRMAN then moved the adoption	of the repor	i, w	rhich was seconde	d l	by	A

The Charman then moved the adoption of the report, which was secondary art. Gronds Meek.

Mr. Wilson wished for some explanation as to the addition to the guarantee fund. The Charman replied, that the reason it was increased must be obvious to them all, when they compared the difference between the amounts of the liabilities of the bank at the present moment with that of previous years. The business of the bank had extended to a considerable degree, and it was the opinion of the directors that the guarantee fund, should be increased to the amount stated in the report.

Mr. VALENTIER KNIGHT thought the directors had exercised a very wise discretion in placing the 16,0001. to the guarantee fund, for although he was as pleased with a large dividend as any other proprietor, still, with the business they were doing, he considered a guarantee fund under 200,0001. quite small enough.

The Chairman, in answer to a question, said that ample allowance had been made for any loss or contingency that was probable to arise from bad debts. Their losses during the previous half-year had been only 40001, and they had put down 19,0001, to meet anticipated losses. Their bad debts had been very small, considering the time they had gone through.

during the previous during the properties of the

THE IRON TRADE OF AMERICA.—The Secretary of the Treasury, in a report just prepared, states that he believes that even under the present system the United States will in a short time cease to import iron from any country. It appears that in 1810 the United States produced 64,000 tons; in 1820, 200,000 tons; in 1830, 165,000 tons; in 1840, 191,000 tons; in 1842, 230,000 tons; in 1843, 300,000 tons; in 1840, 191,000 tons; in 1851, 000,000 tons; in 1845, 300,000 tons; in 1850, 564,755 tons; and in 1855, 1,000,000 tons. The fluctuations in production have been induced by the varying price of iron in England from time to time. The instability of price in England is owing to the fact that she does not possess the means of abundant production when an extraordinary demand arises, and on such occasions her ironmasters have been compelled to advance the price to bring out the required quantity. When the demand fell off her ironmasters could return to cheap production and, by combination among themselves, continue to manufacture for a time even at a loss, which was less dangerous than a total stoppage of work would have been. In reply to the (U.S.) Treasury Circular, to which we referred some time since, a large number of specimens of iron and ores have been forwarded to Washington, and others are being received ally. Mr. Cobb says in his report, the specimens are all received and arranged, and the information which accompanies them has been obstrated and collated, a competent chemist or metallurgist will be employed to make the experiments and analysis. Concluvie evidence has aiready been received that a decided difference in the succeptibility of different irons to oxydise does exist, and it is hoped that the proposed analysis will discover the cause. However, should the experiments and analysis. Conclusive evidence has aiready been received that a decided difference in the succeptibility of different irons as to their susceptibility to oxydise, from the fact that the quantity used by the Government, in this department

SMOKE NUISANCE.—The Sheffield Smoke Committee have reported favourably upon the invention of Mr. C. W. Siemens, of the Adelphi, who proposes to utilise the heat generated, and obtain therefrom the full equivalent of effect, by using a regenerative furnace, in which he passes the air required for combustion through a regenerator, and the products of combustion—before they reads the chimney—through another regenerator, which consists of a chamber filled with fragments of refractory materials, or firebricks, presenting a large amount of absorbent surface, to which the heat is communicated; the bricks or other substances nearest the fire become heated to a high degree of temperature; those next to them become heated to a less degree; and those at the other extremity comparatively little—the temperature gradually decreasing towards the outlet. Were this process to continue, the whole regenerator would attain the same heat as the escaping gases, which would then pass into the chimney as hot as when they entered the regenerator, and no good would result; but by a beautifully simple arrangement, the inlet for the air and the outlet to the chimney are so connected with both regenerators (which are constructed of the same materials), that by changing a valve the current is reversed; the air passes through the heated regenerator, and attains a high temperature before it reaches the fire, and the products of combustion pass through the regenerator becomes charged with best, the valve is again reversed, and the alternate action continued. By these means, with a minimum draught, intimate mechanical contact, and consequent chemical unlon of the gases, are established, and the heat generated is retained By these means, with a minimum draught, intimate mechanical contact, and consequent chemical union of the gases, are established, and the heat generated is retained in the furnace—the products of combustion escapsing at a temperature not exceeding 200° or 300° Fahrenheit. Rolling-mill furnaces, constructed on this principle, have been in us at Mesers. Marriott and Atkinson's for some months; and Mr. Atkinson's plan, and one of the ordinary construction; and he found that the total consumption of each, during six days, was 7 tons in the ordinary furnace, and 1½ ton in the new sene, the work done by each being practically the same, and all circumstances alike during the time of comparison. Mr. Brown, of the Atins Works, has also had two furnaces erected on the same principle; they were of large size, for heating bar-steel, and in comparative experiments with furnaces of the old construction, the economy was found to be about 60 per cent.

PREVENTION OF STEAM-BOILER EXPLOSIONS,—Practical men speak in high terms of the patent valve recently taken out by Mr. John Brown, of Gold's Green, West Bromwich, Staffordshire, by which he has contrived to secure the two-fold advantages so long sought for—Firstly, that, should the steam be stronger than it is weighted, it will raise the valve and escape; and, secondly, that if the water be allowed to sink below the proper level, the apparatus inside the boiler will raise the valve and the steam will escape if it be not up to the pressure it is weighted at. The modus operands is exceedingly simple, and cannot get out of gear but by actual dislocation.

GOVERNMENT SCHOOL OF MINES.—In consequence of the nuptials of the Princess Royal, there will be no lectures either on mining or metallurgy on Mon-day next. The working men's lecture, by Prof. Stokes, will be delivered in the even-lag at sight s'elook.

WEEKLY LIST OF NEW PATENTS

GRANTS OF PROVISIONAL PROTECTION FOR SIX MONTHS.—J. BLAKE, R. D. KAY, Acerington: Reducing and regulating the quantity, force, or pressure of steam.—J. N. W. Twiso, Coventry, W. Adensa, Birmingham: Self-acting railway brakes.—R. and J. Phille, Cheltenham: Propellers for propelling ships, boats, and other vessels in water.—E. Maw, Donoaster Ironworks, Yorkshire: Metallic bedsteads and other surfaces to sit or recline on.—S. Lexs, Salford: Mineral oil.—P. SOAMES, J. C. EVARS, Morden Ironworks, East Greenwish: Steam cranes, parts of which improvements are applicable to the generation of steam.—T. Rowell, Sunderland: Purnaces.—J. A. M. Chaurous, Paris: Axle boxee and axle bearings.—W. Harree, Lewisham-road: Farnaces or fire-places.—G. C. Gerenwell, Radstock, Bath: Pigment.—E. B. Briguir, Liverpool: Communicating signals by electricity, and in the apparatus employed therein.—W. Parsons, Pratt-street, Old Lambeth: Apparatus for supplying water to, and for preventing explosions of steam-boilers.

Apparatus for supplying water to, and for preventing explosions of steam-bollers.

Prevention of Colliery Accidents.—A large percentage of the accidents recorded by the Government Inspectors of Coal Mines being attributed to overwinding, Mr. Heth Ogden, of St. Mary's, Manchester, has patented an invention which promises to be of great importance, being a self-acting steam break, with an arrangement for shutting the steam off the winding-engine, as well as recording the number of lifts made. The main shaft of the winding-engine, ommunicates motion by means of cog-wheele to a shaft furnished with a worm, which takes into a worm-wheel on a shaft carrying discs, forming two circular grooves, within each of which are three tappets or came; above these and situate within one of the grooves is a lever mounted upon a centre, so as to be capable of moving in a vertical direction, and it is formed in two parts, so as to move also in a transverse direction upon a plu; the attendant, therefore, can lift it so as to raise the lever and transfer it sideways into either of the grooves. The lever is situate within another lever, formed as a fork for that purpose, and which is also capable of turning upon the centre, but there is sufficient space for the independent transverse motion before described of the first-mentioned lever, and the two are caused to move together vertically by a pin; to this pin is connected a link which extends downward, and is there attached to the rod of a nilde valve, so arranged as to admit steam to the under side of a piston. When this pin is connected a link which extends downward, and is there attached to the rod of a nilde valve, so arranged as to admit steam to the under side of a piston. When this pin is adapted a lever by means of a slot; this lever turns upon a centre, and its other end carries a rollor, which eats as an abutment for a series of eccentrics, aliding upon but turning with the shaft (from the winding-engine), and pressed onward against the roller by a spring. Over the secontric

ing-engine. The break is, at the proper moment, applied by this self-acting arrangement, and the steam being admitted according to the lift, causes the break to be put on as gradually as could be desired.

Moy's Patent Steam-Engines in a novel manner, whereby the patentee expects to attain the following bighly desirable results:—An increase of power from a given quantity of coals; working the engine to the greatest possible degree of expansion; small bulk in comparison to power; and the impossibility of explosion. The boiler is composed of tubes of small diameter, and consequently of great strength, their small diameter rendering them capable of bearing from 3000 to 5000 lbs. per square inch. The water is pumped into the tubes, and the heat applied externally. The heated water in the tubes is kept in constant circulation on the well-known Perkins' system. The steam is allowed to form in the boiler, the pressure being kept up so as to prevent the formation of steam in the boiler, at whatever temperature it may happen to be working. The cylinder is furnished with a jacket in which the water circulates, and this jacket as well as the valve box is always in communication with the boiler, the circulation being uninterrupted whether the engine is at work or at rest. The valves measure off and deliver to the cylinder each time they are reversed a certain quantity of highly heated water, which water the patentee states will turn into steam upon its entry, on partially upon its entry, and partially after it has entered the cylinder. It is well known that the sensible heat and the latent heat of steam at any pressure being added together amount to 1212, therefore, the higher the sensible heat the smaller is the quantity of latent heat. Suppose, then, a certain portion of water to be delivered to the cylinder at the commencement of the stroke at 1000°, almost all this water will immediately become steam of very great pressure; no more water being allowed to enter, this steam will drive the piston with a consure; no more w

Than is necessary.

STRAM-ENGINES.—Mr. J. A. Burdon, Paris, proposes to obtain expansion in steam or other motive-power engines by means of an adjustable cylindrical graduated cam in connection with the alide-valve. Two of the graduated cams may be employed, formed of three raised cylindrical surfaces or projections, one being of a spiral shape on its adge, the two others have straight edges. The above-described projections are by a spring brought in contact in succession with a small pulley fixed to an eccentric rod for working the side-valve, in order to cut off the steam at the desired point of the stroke of the valve, the length of which is adjusted by a slotted lever working the cam. Instead of two cams and two steam chests, one of each only may be employed, in which case the chest must have four ports, each couple being provided with a separate valve. For locomotive and marine engines the cam or cams are formed with four projections, whose radii decrease in succession, so as to obtain the necessary degree of expansion. The reversing goar consists of a pulley, whose position on the eccentric hoop may be varied by means of a lever giving motion to a pin working in a slot on the hoop.

MANUFACTURE as Clariforness.

MANUFACTURE OF CARBURETTED HYDROGEN GAS.—The use of fused metals in connection with a suitable retort, so constructed as to pass distilled carbonohydrous vapours or substances beneath or in immediate connection with the surface of such metals, thereby facilitating the production of carburetted hydrogen gas by presenting to the material to be formed into gas a fluid red-hot metallic surface, which rapidly conducts heat, thereby evolving the gas with a smaller and less intense fire than is now used for an equal quantity of gaseous products, has been patented (through Mr. J. T. Pitman, of Gracechurch-street) by Mr. R. Grant, of Brooklyn, U.S. He constructs his retort in any known or convenient form, whereby the gaseous product is caused to be formed in immediate connection with the fluid metal—usually a vertical retort fixed in a furnace or stove. In the bottom of the retort, becase a quantity of lead or other metal which fuses at a low temperature; and, in connection with the retort, he constructs a disphragm 1 inch less than the retort. The carbono-hydrous vapours are distilled from the coal in the retort, and expand and force their way through or over the fused lead, in which the bottom of the diaphragm is immersed, by means of the eduction pipe connected with the diaphragm, and carried through the body of the retort in such a manner that the gas must pass under the diaphragm. All carbonaceous deposits in the retort are prevented, as these deposits merely float on the surface of the fused metal, leaving the track of the gaseous vapours through the body of or making gas. The gas is purified in a cleanser, and thenee transferred to the gasemeter.

the body or over the surface of the metal constantly clean, and in the most favourable condition for making gas. The gas is purified in a cleanser, and thence transferred to the gasometer.

UNITING IRON AND STEEL.—Mr. Jossa, Bishops Auckland, has provisionally specified a process for uniting metals. A mould of sand, olay, or iron is formed, differing from those used in brass or iron foundries only, inasmuch as, if made of sand, the lower portion of the part intended to contain the cast-steel to be united must be constructed of elay or iron, which is to be joined to the surface of the casting, so that the steel is cast either in elay or iron; if, however, the mould be made entirely of sand, it must be thoroughly dried. The process is based principally on the nature of cast-steel, which, possessing greater specific gravity than cast-iron, alloys itself with the latter, when both are in a liquid state, only in the points of contact, and thus unites most firmly. A material point is, that the temperature of the cast-iron be nearly the same as that of the cast-steel, and that the former be poured upon the cast-steel only when the latter has ceased to be very fluid; before, however, it is set. If the point of fusion of the cast-iron be much lower than that of the cast-steel, the material points to ensure success are the following:—Either a small quantity, the best or pig-iron, must be procured, and poured over the cast-steel, and over this the easier fusible cast-iron, or a refractory mixture of wrought or cast-iron, is to be prepared, and which has to be poured upon the cast-steel, being then covered by the castly fusible cast-iron, which is a proper than the cast-tree of the cast-iron of the castly fusible cast-iron upon cast-teel. Success will always follow by extra heating a small quantity of easily fusible cast-iron, for the formation of a middle layer; however, the above process is the surest and best.

RAILWAY CHAIRS.—Mr. Joseph Nickless, Colebrook Dale, has invented an improved system of railway shairs. The ch

astitution of Civil Engineers during two entire sittings.

RESIN OIL FOR BURNING IN LAMPS.—In the manufactories now estalished for preparing resin oil in various countries, many trials have already been
used for preparing it in a state fit for burning in lamps, it being thought that if the
selnous parts which prevent its burning in ordinary lamps could be removed, and
uses lamps could be constructed so as to allow the resin oil to be burnt in them, they these lamps could be constructed so as to allow the resin oil to be burnt in them, they would furnish in this way a light of great intensity at a very small expense. It is stated that the proprietors of a manufactory of resin oil, near Wiesbaden, have at last succeeded, after continued trials, in purifying it, and in constructing ordinary lamps with a never-failing reservoir for the oil. The Argand burner, with a double draft of air, by merely a small alteration, has been rendered available, producing a beautiful white light, which, with a diameter of 1:2 centimetres, is equal to the light of four stearine andles, at 1:20th of the expense. The light is said to be so intensely bright that it is even painful to the eye. A resin oil iamp, giving the light of four stearine candles, consumes in one hour % the of an conce of oil; one pound of this costing about 4d., so that the consumption in one hour is about one-tenth of a penny. A further advantage of the above-mentioned lamp is stated to be its extreme simplicity in construction.—Journal of the Society of Arts.

construction.—Journal of the Society of Arts.

ALUMINIUM.—At the Societé d'Encouragement pour l'Industrie Nationale, M. Sainte Claire Deville, the discoverer of this metal, detailed the progress which has been made in its manufacture since first brought under public notice. Much, of course, in his lecture was a repetition of what is already known; and we need only remind our readers that the process by which aluminium is obtained on a large scale consists in decomposing its chloride by means of sodium. The facts we have to mention are few in number, but important. The fact is that sodium, which three or four years ago cost 3000 frs. per kilogramme, there being few laboratories in the world that could boast the possession of an ounce of that metal, was, soon after the discovery of aluminium, reduced by M. Deville's sagacity to the price of 30 frs. per kilo.; and that successive improvements have at length brought it down to the incredibly small price of 9 frs. As a natural consequence, aluminium, which on its first discovery could be produced at the rate of 1500 frs. per kilo, has now fallen to 300 frs. Now, since the specific weight of aluminium is exactly one-fourth of that of silver, it follows that a piece of aluminium equal in bulk to a piece of aliver exactly weighs

one fourth; so that, while the kilo. of silver costs 225 frs., an equal bulk of aluminium costs only 75 frs. The fact that aluminium is not exidised by exposure to the sir, that it is not tarnished by sulphurous vapours, and that nitric and many other seids have no effect upon it, has enabled jewellers and instrument makers to apply it with advantage, It glids admirably, and the colour of the gold contrasts favourably with the bluish into of those parts where the aluminium, highly burnished, remains bare. As to its being applicable to culinary purposes, M. Deville does not deny that the metal is attacked by regetable scale; but as the cosapounds of aluminium they produce are perfectly innocaous, there is no danger in the use of such articles. We may, however, state from our own experience that a table service of aluminium would be no good substitute for plate, for if a piece of burnished aluminium be kept in boiling water for a few minutes it loses its brilliancy entirely: in sait water the effect is still more apparent, and it takes some time and trouble to restore the metal to its former brilliancy.

EOLOGY.—KING'S COLLEGE, LONDON.—
PROF. TENNANT, F.G.S., will give a COURSE OF LECTURES ON GEOLOGY, to COMMENCE on WEDNESDAY MORNING, the 2th of January, at Nike
o'clock, and to be continued on each succeeding Friday and Wednesday, at the same
hour.

R. W. JELF, D.D., Principal.

REAT WHEAL VOR UNITED MINES.—WANTED, on these mines, a CHIEF CLERK and JUNIOR CLERK, well experienced in mining accounts, and who can furnish good testimonials.—Applications, stating age, to be made to the Secretary, at the office of the company, on or before Monday, the lat of February.—Gresham House, Old Broad-street, London, E.C., Jan. 21, 1858.

CREAT WHEAL VOR UNITED MINES.—WANTED, an EXPERIENCED CAPTAIN TIN DRESSER, who must have good testimonials.—Applications, stating salary required, to be made to the Secretary, at the offices of the company, on or before Wednesday, the 3d February.

Gresham House, Old Broad-street, London, E.C., Jan. 21, 1858.

TREAT WHEAL VOR UNITED MINES.—WANTED, an EXPERIENCED MINING CAPTAIN as GENERAL MANAGER, to undertake the practical superintendence. He must be of undoubted character, and fully competent to carry on the laborious duties required at these mines.—Applications to be sent, with testimonials, and stating salary required, to the Secretary, at the offices of the company, on or before Wednesday, the 3d February.

Gresham House, Old Broad-street, London, E.C., Jan. 21, 1858.

REAT NUGGET VEIN GOLD MINING COMPANY OF AUSTRALIA.—A FINAL RETURN of TWO SHILLINGS per share, on the £2 B shares, making a total return of £1 12s. 2d. per share, will be made on and after the 4th of February next, on Wednesdays, Thursdays, and Fridays, from Eleven to Three o'clock, at 12, 8t. Michael's-alley, Cornhill, where the necessary forms may be obtained, and where the shares must be left.

12, 8t. Michael's-alley, Cornhill, Jan. 22, 1858.

OLD MINING COMPANIES.—SHAREHOLDERS in the different CALIFORNIAN and AUSTRALIAN GOLD MINING COMPANIES are requested to CALL on Mr. F. SQUIRE, 74, King William-street, City, that he may submit to them a plan by which the shares in such companies, which are now valueless, will be again marketable.—74, King William-street, City, Dec. 24.

PARTNERSHIP.—A GENTLEMAN with a most valuable connection as engineering auctioneer and valuer, also as merchant engineer and machinery agent, for home and exportation, is desirous of MEETING with a PART-NER, a man of influence, intelligent, energetic, and industrious habits, to enable or extend his pepters of operations, and establish a branch in London.—Apply, "P. 8.," Mining Journal office, 20, Flect-street, London.

PARTNER WANTED, to JOIN the ADVERTISER in a going COLLIERY and IRONWORK.—Apply, with real name and address, to "P. R.," Mining Journal office, 26, Ficet-street, London.

TO IRONMASTERS.—The ADVERTISER has been MANAGING FORGE and MILLS for the last 20 years, and will shortly be OPEN to a FRESH ENGAGEMENT. Unexceptionable references.—Address, W. B. POPKIN, chemist, Maesteg, Bridgend, Glamorganshire.

NICKEL ORES.—THE GAP MINING COMPANY OF LANCASTER, county Pennsylvania, are now ready to CONTRACT for the SALE of from 10,000 to 20,000 tons of NICKEL ORES, in lots to suit purchasers.—Address, F. S. Horckerk, Secretary Gap Mining Company, 70, South Third-street, Philadelphia, Pennsylvania, U.S.

WANTED, a GOOD SECOND-HAND PUMPING ENGINE.
36 to 45 in. cylinder.—Apply to W. H. M. Blews, Esq., Birmingham.

TO BE SOLD, CHEAP, ONE 30 in. PUMPING ENGINE and
BOILER, complete, in good condition (near Liskeard); ONE 36 in. ROTARY
ENGINE, with FIX-WHEEL and ONE BOILER (near Plymouth).—For particulars, apply to Mr. Hy. Wills, 17½, George-street, Plymouth.

ENGINES AND WINDING GEAR ON HIRE, with OPTION of PURCHASE, from 4 to 25-horse power.—T. Cresswell, 92, Blackfriars-road.

TEAM-ENGINES FOR SALE.—8-horse power HORIZONTAL, 916, in. cylinder, and 16 in. stroke, £80; 6-horse power VERTICAL, 8 in. cylinder, and 12½ in. stroke, £50. The above are quite new, and of the very best work-manship.—Apply to Hexay Hughes, engineer and hydraulic press manufacturer, Falcon Works, Loughborough.

TYDRAULIC PRESSES FOR SALE.—An 8 in., fitted with suitable brass pumps, 1 in. and 2 in. diameter, and capable of giving a pressuage of 1600 tons, price £55; a 10 in., fitted with 1 in. and 2½ in. brass pumps, and capable of giving a pressure of 2000 tons, price £10. The above are in excellent condition, and, having long lifts, are particularly suitable for packing and pressing goods; they will be warranted for nine months.—Apply to Henry Huones, Falcon Works, Loughborough.

A IR SHEETING, or BRATTICE CLOTH, made expressly for COLLIERY PURPOSES, in all widths, from 18 in. to 80 in.—Samples, with rice, on application to the manufacturer,

ELLIS LEVER, Ellesmere-place, Stockport-road, Manchester.

VICE-CHANCELLOR WOOD, AT CHAMBERS.

In the Matter of the JOINT-STOCK COMPANIES WINDING-UP ACTS, 1848
and 1849, and of the CWMDYLE ROCK AND GREEN LAKE COPPER
MINING COMPANY.

Y DIRECTION of the Vice-Chancellor Sir WM. PAGE WOOD,
the Judge of the High Court of Chancery, to whose Court the winding-up of
time company is attached,—Notice is hereby given, that the said Judge will, on Tuesday, the 2d day of February, 1838, at One o'clock in the afternoon, at his Chambers,
11, New-square, Lincoin's Inn, in the county of Middlessex, proceed to make a CALL
11, New-square, Lincoin's Inn, o'me the county of Middlessex, proceed to make a CALL
11, Now-square, Lincoin's Inn, o'me the county of Middlessex, proceed to make a CALL
11, Now-square, Lincoin's Inn, o'me the said company, and that the said Judge purposes that such CALL shall be for TEN SHIL11, NGS per share. All pursons interested are entitled to attend at such day, hour,
and place, to offer objections to such call. RICHARD BLOXAM, Chief Cierk.
R. P. HARDING, 5, Serie-atreet, Lincoin's Inn, O'fficial Manager.
RICHARD CATTAKNS, 33, Mark-lane, Solicitor.

Dated this 14th day of January, 1858.

Dated this 14th day of January, 1858.

IN CHANCERY.

In the Matter of the JOINT-STOCK COMPANIES WINDING-UP ACTS, 1848 and 1849, and of the BIRCH TOR AND VITIFER MINING COMPANY.

TO BE SOLD, BY PRIVATE CONTRACT, by direction of the Judge of the High Court of Chancery, to whose Court the winding-up of this company is attached, ALL that the RIGHT and INTEREST of the above-named company in the TIN MINES called, or commonly known as, the BIRCH TOR AND VITIFER MINES, stuate and being in the parishes of Manaton, Backland in the Moor, and Lydford, in the county of Devon, together with all the RIGHTS, PRIVILEGES, and APPURENANCES, as determined by two leases, one from the Ducky of Cornwall, for a term of 31 years from the 25th day of March, 1850, and one from George Gidley and others, for a term of 30 years from the 25th day of March, 1851, at a yearly rent of £25, or royalty of 1-40th of the orea raised. Also, all the PLANT, MACHINERY and MATERIALS, ORES, HALVANS, and MINERALS, belonging to the said company, at the said mines, subject to certain conditions of sale.

There are on the mines two large water-wheels, and two stamping wheels, with stamps, complete; two capatans and ropes; two whims; pumps and pumping gear in place; a carpenters' shop, fitted with benches and tools; a smithe' shop, with two bellows, implements, and ordinary mining materials. There is also on the mines machinery and apparatus for dressing tin ores; and a supply of water can at all times be obtained for drashing the underground workings. There is a countinghouse, with suitable offices, a residence for the capitaln, stables, and swere can at littimes to be busined, on application to the official manager, Mr. R. P. Habbiro, 5, Serie-street, Lincoln's Inn, London; Mr. Kontnsox, his solienter, 35, Lincoln's Inn-fields; Mr. MATTERWA, Tavistock, Devon; M. sors. Rooksel, London's Inn-fields; Mr. MATTERWA, Tavistock, Devon; M. sors. Rooksel, London's Inn-fields; Mr. MATTERWA, Tavistock, Devon; M. sors. Rooksel, London's Inn-fields; Mr. MATTERWA, Tavist

COPIAPO AND CALDERA RAILWAY.—Notice is hereby given, that the QUARTERLY DIVIDEND of FOUR PER CENT. (declared in Cathat the QUARTERLY DIVIDEND of FOUR PER CENT. (declared in Copiapo on the 3d of October last) will be PAID to the holders of shares registered in England, at the Banking-house of Mesare. Williams, Deacon, and Co., on and after the 18th January inst.

Office of Registry and Transfer, 2, New Broad-street, Jan. 1, 1838.

COPIAPO EXTENSION RAILWAY COMPANY.—
Notice is hereby given, that SIX MONTHS' INTEREST, at the rate of SIX PER CENT. per annum, will be PAYABLE on the deposit of £2 per share, on and after the let February next, at the office of the company, 2, New Broad-street.
The scrip must be left at the office, and the neces-ary form of application for the interest filled up three clear days before the same can be paid.
London, Jan. 1, 1858. By order of the Directors, EDWD. J. COLE, Sec.

OPIAPO EXTENSION RAILWAY COMPANY.—
Notice is hereby given, that the directors have made a CALL of ONE POUND per share, payable at the Banking-house of Mesers. Williams, Deacon, and Co., on or before the 25th day of January inst.

The serip certificates, together with the bankers' receipt, must be left at the office of the company, 2, New Broad-street, to have the call inseribed thereon.
London, Jan. 1, 1858. By order of the Directors, EDWD. J. COLE, See.

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CORTY-FIRST REPORT OF THE LONDON JOINT-STOCK ANK.—At a GENERAL MEETING of the shareholders, held at the Banking the company, in Princes-street, Mansion House, on Thursday, the 21st of 1858.

HOUSE of the company, in Princes-street, Mansion House, on Thursday, the 21st of January, 1858.

WILLIAM BIRD, Esq.—CHARMAN.

WILLIAM BIRD, Esq.—DEPUTY-CHARMAN.

WILLIAM BIRD, Esq.
WILLIAM BIRD, Esq.
WILLIAM BILOUNT, Esq.
Ald str JAMES DUKE, Bart., M.P.
HILLIAM FILLIAM FLOWER, Esq.
FRANCIS BENNETT GOLDNEY, Esq.
GEORGE HOLGATE POSTER, Esq.
FRANCIS BENNETT GOLDNEY, Esq.
JOHN TIMOTHY OXLEY, Esq.
FRANCIS BENNETT GOLDNEY, Esq.
MANAGER—AYLER, Esq.
GEORGE TAYLER, Esq.
MANAGER—George Pollard, Esq.
The following report was presented:—
The annexed accounts exhibit the position of the bank on the 31st ult.; and it will be seen that, after providing for all losses and charges, there remains a nett profit of £83,566 9s., which the directors have appropriated as follows, viz.:—
\$9,000 0 to a dividend, at the rate of 12/s per cent. per annum.
30,000 0 to the credit of the Guarantee Fund.
By the above addition and the accruing interest, the guarantee fund is raised to £137,014 9s. Id., and the directors feel very confident that this augmentation of their reserve will be satisfactory to the shareholders, when viewed in connection with the enlarged scale of the bank's operations.
The dividend and bouns, free from income-tax, will be payable on and after Friday, the 29th inst.
The dividend and bouns, free from income-tax, will be payable on and after Friday, the 29th inst.

The dividend and bonus, free from income-tax, will be payable on and after Friday, the 39th inst.

The following gentlemen, who retire in the order of rotation—viz., Sir James Duke, Bart, M. P., Ambrose Moore, Esq., William Bird, Esq., and John Timothy Oxley, Esq.—offer themselves for re-election; and the lamented death of Archibald Hastie, Esq., M. P., having caused another vacancy on the board, Donald Larnach, Esq., a dily qualified shareholder, who has given the necessary notice, presents himself as a candidate for the vacant seat.

The directors cannot allow this opportunity to pass without some expression of their high sense of the honourable character of their deceased friend and colleague, whose scalous exertions were never wanting when required to promote the interest of the bank; and they feel assured that the proprietors will participate in their regret for his loss.

his loss.

The shareholders have already been apprised by advertisement of the recent retirement from the direction of Thomas Tilson, Esq., who having undertaken importan public duties, has considered it necessary, much to the regret of his brother directors to resign his seat at the board.

An extraordinary meeting of proprietors will be called for the 1st of April next, to

meeting of proprietors will be called for the 1st of April next, to

elect his successor.

The preceding report having been read to the meeting by the secretary, a dividend for the half-year ending the 31st December last, after the rate of £12's per centum per annum, and a farther division of 10s. per share out of the net profits of the year ending as above, were declared by the Chairman.

Resolved unanimously—That the report now read be received, and that it be printed for the use of the shareholders.

The following directors having retired by rotation, were unanimously re-elected.

for the use of the shareholders.

The following directors having retired by rotation, were unanimously re-elected, viz.:—Sir James Duke, Bart., M.P.; Ambrose Moore, Esq.; William Bird, Esq.; John Timothy Oxiey, Esq.; and Donald Larmach, Esq., was also unanimously elected a director, in the place of Archibald Hastie, Esq., M.P., deceased.

It was then resolved unanimously—That the best thanks of this meeting be tendered to the directors for their excellent general management, and especially for having made an addition to the guarantee fund.

Resolved unanimously—That its thanks be also offered to Mr. Pollard, for bis valuable services in connection with this bank.

Signed, WILLIAM BI	RD, Chairr	man	. 1
(Extracted from the Minutes.) JNO. WARDI	tOPE, Sec.		
THE LONDON JOINT-STOCK BANK. LIABILITIES AND ASSETS, Thursday, 31st December, 1	857.		
Da.—Capital paid up—viz., 60,000 shares at £10 each Amount due by the bank Amount of Guarantee Fund, June 30, 1857. £168,421 13 7 Six months' interest on ditto, at 3 per } 2 cas s s s	£ 600,000	19	4
cent. per annum	170,948	0	1
Undivided profit for the last half-year 9,246 19 3 Amount carried to profit and loss account. 157,107 14 4=	166,354	13	7
	£11,674,883		
Ca.—Exchequer Bills, India Bouds, and Government Stock		11	11
	£11,674,833		-
PROFIT AND LOSS ACCOUNT, for the Half-year ending 31st De DrCurrent expenses, proportion of building expenses, direct.			
ors' remuneration, bad debts, income-tax, &c	£ 40,959	1	6
Amount carried to profit and loss, new account, being re- bate of interest on bills discounted not yet due Dividend account, for the payment of half-a-year's divi-	41,820	3	1
dend, at the rate of 12% per cent. per ann., upon £800,000, amount of paid-up capital upon 60,000 shares	37,500	0	0
Ditto, for the payment of a bonus of 10s, per share	30,000 16,060		
Total	£ 166,35	13	7
Ca.—Balance brought down Undivided profit brought forward from the last half-year	€ 157,107	14	4

£ 166,354 13 7 Total

THE LONDON JOINT-STOCK BANK.

HEAD OFFICE,—PRINCES STREET, MANSION HOUSE.

WESTERN BRANKI,—69, PALL MALL.

Subscribed Capital, £3,000,000; Paid-up Capital, £300,000; Guarantee Fund, £187,014.

Accounts of parties are kept agreeably to the eustom of London bankers.

Parties keeping banking accounts with the bank can at all times transfer to a deposit account such portion of their balance as they may not immediately require, upon which interest at the current rate of the day will be allowed.

Deposits are also received from parties not customers, either at call or for fixed periods, on interest at the market rate.

The agency of joint-stock and other country and foreign banks undertaken on such terms as may be agreed upon.

Inve

The agency of joint-stock and other country and foreign banks undertaken on such many be agreed upon.

Investments in and sales of all descriptions of British and foreign securities, bullion tole, &c., effected.

Jividends on English and foreign funds, on railway and other shares, debentures a coupons, received without charge to customers. Every other description of bank business and money agency transacted, and letters of credit granted on the Conent, and on the chief commercial towns of the world.

INVESTMENTS IN BRITISH MINES.

Pall particulars of the most important Dividend and Progressive Mines will be found in the Fourth Edition of

BRITISH MINES CONSIDERED AS AN INVESTMENT.

Recently published, by J. H. MURCHISON, Esq., F.G.S., F.S.S.

Pp. 336; price 3s. 6d., by post 4s.

Mr. MURCHISON also publishes a QUARTERLY REVIEW OF BRITISH MINING, giving, at the same time, the Position and Prospects of the Mines at the end of each Quarter, the Dividends Paid, &c. The REVIEW for the Quarter ending the 30th of June, contains a Map of the Great Wheal Yor and Lelant Mining Districts, price 1s.

Reliable information and advice will at any time be given by Mr. MURCHISON, either personally or by letter, at his offices, 117, Bishopsgate-street Within, London, where expises of the above publications can be obtained.

Mr. Murchison's new work on British Mines is attracting a great deal of attention, and is considered a very useful publication, and calculated to considerably improve the position of home mine investments.—Mining Journal.

The book will be found extremely valuable.—Observer.

A valuable little book.—Globe.

A valuable little book.—Globe.

A valuable guide to investors.—Herapath
Mr. Murchison takes sound view upon the important subject of his book, and has placed, for a small sum, within the reach of all persons contemplating making investments in mining shares that information which should prevent rash speculation and unproductive outlay of capital in mines.—Morning Herald.

Of special interest to persons having capital employed, or who may be desirous of investing in mines.—Morning Chronicle.

Parties requiring information on mining investments will find no better and safer naturact than Mr. Murchison.—Lead Times.

As a guide for the investment of capital in mining operations is inestimable. One of the most valuable mining publications which has come under our notice, and contains more information than any other on the subject of which it treats.—Derby Telegraph. To those who wish to invest capital in British mines, this work is of the first importance.—Welsman.

This work enables the capitalist to invest on sound principles: it is, in truth, an

To those who wish to invest capital in British mines, this work is of the first importance.—Welshman.
This work enables the capitalist to invest on sound principles; it is, in truth, an succilent guide.—Plymouth Journal.
All who have invested, or intend to invest, in mines, will do well to consult this very useful work.—Ipswich Express.
This is really a practical work for the capitalist.—Stockport Advertiser.
Persons desirous to invest their capital in mining speculations, will find this work a very useful guide.—Warwick Advertiser.
It is full of carefully compiled and reliable information relative to all the known mines in the United Kingdom.—Sheffield Free Press.
Those interested in mining affairs, or who are desirous of becoming speculators, should obtain and carefully peruse the work.—Monmouth Beacon.
Every person connected, or who thinks of connecting himself with mining speculations, should possess himself of this book.—North Wales Chronicle.
A very valuable book.—Cornwall Gazette.
All who have invested, or intend to invest, in mines, should peruse this able work. We believe a more useful publication, or one more to be depended on, cannot be found.—Plymouth Heraid.
With such a work in print, it would be gross neglect in an investor not to consult it before laying out his capital.—Poole Heraid.
Mr. Marchison will be a sefe and trustworthy guide, so far as British mines are concerned.—Bath Express.
Of great value to capitalists.—Sunderland Times.

TYNITED STATES OF AMERICA.—DUPEE, PERKINS, and

UNITED STATES OF AMERICA.—DUPEE, PERKINS, and SATIES OF AMERICA.—DUFES, FERRINS, and SALES, BOSTON, MASSACHUSETTS, BROKERS for he PURCHASE and SALE of STATE, CITY, and RAILROAD SECURITIES, MANUFACTURING and BANK SHARES, give particular attention to the MINING COMPANIES OF LAKE SPERIOR, and furnish reliable information concerning them.

[DUFES, PERZINS, and SATIES refer to the Editor of the Mining Journal.]

T N N I S T E S T I M O N I A L. Su the Court of Vice-Warden of the Standaries.—Standaries of Cornwall, Subscriptions are Received by the Hon. Secretary, Jan. Amberson, Esq., dthe Assistant-Secretary, Edwn, Walford, 19, Birchin-lane, E.C.

Pursuant to Two several Orders, or Decrees, made in the Causes of—Parmer and others, Hodge: and FINNIS

WANTED, a SITUATION as ENGINEER. The advertiser ha had the engineering management of some extensive collieries in the North of England and in South Waies, and has a practical knowledge of engine building, railway, dock, and canal works. First-rate references.—Address, "M. P.," Post-office, Aberdare, Giamorganshire.

WANTED, by a YOUNG MAN of steady habits, a SITUATION as CLERK. He has been during the last twelve years accustomed to mining accounts and business. He will refer to his present employer, with whom he has been some years.—Address, or apply, to "W.W.," Mr. Goatley's, 31, Threadneedle-street, E.C.

WANTED, an EXPERIENCED, STEADY, and INDUSTRIOUS PERSON, with unexceptionable references, to TAKE CHARGE of an IRON WAREHOUTER at GATESHEAD, attend to station, and forwarding beariness, and to act as SALESMAN in Newcastle and its locality, for the sale of manufactured from ant tin-plates.—Applications to be made to Messra, E. O. TREGELIES and Co., Shotley Bridge Iron and Tin Works, near Gateshead-on-Tyne.

MANTED, by a YOUNG MAN of experience, a SITUATION as MANAGER of a COLLERY or COLLERISS. He thoroughly understands the getting, ventilating, planning, &c., of coal mines, and can give the highest cetimonials as to character, abilities, &c.—Address, "W. B. W.," Post-office, Derby.

R. W. S. COPE, MINING and CIVIL ENGINEER, is in WANT of a RESPECTABLE, WELL-EDUCATED YOUTH as an APPRENTICE. ilum required.—Halifield Cottage, Hanley, Staffordshire.

AND OR MINE AGENT AND SURVEYOR,—A GENTLEMAN who has ten years' experience as MANAGING LAND and MINE AGENT SURVEYOR, and can give first class references, is desirous of making a new argement.—Address, "H.," Measrs. Fottle and Sop, 14, Royal Exchange, London.

PO MINE OWNERS.—A COLLIERY MANAGER, of extensive experience in both coal and ironstone mines, is NOW OPEN to an ENGAGE-MENT. Can survey and map with facility, and produce the highest character and references.—Address, "S. E.," Mrs. Adams, stationer, Tunstall, Staffordshire.

TO IRON MANUFACTURERS, RAILWAY WHEEL MAKERS, &c.—A GENTLEMAN, who is practically acquainted with the MANUFACTURE of every description of RAILWAY BARS, TYRES, AXLES, WHRELS, and MERCHANT IRON, and who has a good business connection in this country, as well as on the Continent, is OPEN to an ENGAGEMENT.—Address, "R. D.," Post-office, 8t. Helen's, Lancashire.

TO ENGINEERS.—ASHBURTON UNITED MINES.—TO BE CONTRACTED FOR, BY TENDER, a good SECOND-HAND STEAM-ENGINE, of from 22 to 26 in. cylinder, the same to be used for drawing and stamping with reverse winding gar, with a 30-head stamps attached; the boiler to be in proportion to the engine, and the whole fixed and fit to work. The contractor to provide stone, timber, and other materials, build the walls, cover the engine and boiler houses, &c.; the proprietors to provide only scaffolding timber.—Tenders to be forwarded to Mr. Nicholas Ennos, Wiveliscombe, Somerset.

MINING TIMBER,—DRAM NORWAY TIMBER, 9d. per foot;
QUEBEC YELLOW PINE TIMBER, first quality, 13d. per foot.
Bones Cellars, Truro, Jan. 12, 1858.
JOHN GATLEY.

TEAM BOILERS.—COAL PROPRIETORS and others requiring BOILERS, for home use or export, of first-rate make, cheap, and proved to a high pressure, apply ELLIS LEVER, Ellesmere place, Stockport-road, Manchester.

CONTRACTORS' AND COLLIERY RAILS, SINGLE HEADED (with chairs), TEE, BRIDGE, and TRAM RAILS, specially adapted for celliery and temporary lines.—For sections and prices, apply to Mr. F. Tympall, Knutton, near Newcastle, Staffordshire.

WATER-WHEEL, at least 60 ft. diam., and 18 or 19 in. PUMPS
WANTED.—Parties having either to dispose of, can send particulars and
price to Mr. Jenu Hitchins, 42, Tavistock-place, Plymouth. Terms cash.

CHOLLACOT CONSOLS MINE.—Notice is hereby given, that a SPECIAL MEETING of the shareholders in this mine will be HELD at the offices of Mr. W. Nicholson, 57, Old Broad-street, London, on Wednesday, the 3d of February, at One o'elock precisely, for the purpose of considering the propriety of erecting a steam-engine; changing the offices, and altering the management of the company; and making an arrangement as to the deposit of the leases of the mine; and also to consider the expediency of making a call.

JAMES CARPENTER, Purser and Manager.

57, Old Broad-streef, London, Jan. 22, 1858.

CONSOLIDATED COPPER MINES OF COBRE.—Notice is hereby given, that a HALF-YEARLY GENERAL MEETING of the proprietors of this association will be HELD, in conformity with the Deed of Settlement, at the offices of the company, Gresham House, Old Broad-street, on Tuesday, the 26th day of January inst., at One o'clock precisely.

On that day two directors (Charles William Grenfell, Esq., M.P., and Robert Passenger, Esq.) and one auditor (Alexander Druce, Esq.) will go out of office by rotation, agreeably to the Deed of Settlement, but are immediately eligible, and are candidates for re-election.

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idates for re-election.

It is necessary that persons intending to offer themselves as candidates for the diection or sudditorship should leave notice of such their intention, at the offices of the
ompany, at least 14 days before the day of election, and exclusive thereof.

WALTER SHAIRP,
GEO. WHITMORE,
GEO. WHITMORE,
Gresham House, Old Broad-street, Jan. 5, 1858.

ROYAL SANTIAGO MINING COMPANY.—The Directors hereby give notice, that they expect to receive from the managers at the mines about DUAL SANTIAGU MINING CUMPANY.—The Directors hereby give notice, that they expect to receive from the managers at the mines about the middle of next month information which may be of importance to the shareholders, and, consequently, they have POSTPONED the usual HALF-YEARLY MEET-ING until WEDNESDAY, the 3d asy of March next, to be then HELD at the office of the company, at Two o'clock precisely, when the directors will make their report. The Directors also hereby give notice, that the half-pearly accounts and financial statement will be delivered to the shareholders upon application at the office on and after Friday next, the 15th inst.—38, Broad-street-buildings, Jan. 12, 1858.

ARIQUITA AND NEW GRANADA MINING COMPANY.—
The HALF-YEARLY ORDINARY GENERAL MEETING of this company
will be HELD at the London Tavern, Bishop-gate-street, in the City of London, on
Friday, the 29th inst., at Two o'clock in the alternoon.
The Transfer-books of the company will be closed on the 23d., and re-opened on
the 30th inst., buildings. Jan 19, 1842.

he 30th inst.

2, New Bank-buildings, Jan. 19, 1858.

THE STRATHALBYN MINING AND SMELTING COMPANY

THE STRATHALBYN MINING AND SMELTING COMPANY.

—The Directors of this company are prepared to receive TENDERS for the MORTGAGE DEBENTURES, authorised to be issued by the Extraordinary General Meeting of shareholders, held on the 6th January, 1858.

The debentures will be issued in sums of not less than £5 each, and are secured by a mortgage, or first charge, on the property of the company at Strathalbyn, in South Australia, consisting of 636 seres of land, with the mines of silver-lead and copper ore, and the machinery, plant, and implements thereon, repayable in five years, with interest, in the meantime, at the rate of 10 per cent, redeemable by the company after the expiration of two years, on payment of principal and interest, together with a bonus of 10 per cent. on the principal. Applications to be addressed to the secretary.

By order of the Eoard, W. L. WEBB, Sec.

2, Great St. Helen's, Bishopsgate-street, London, E.C., Jan. 22, 1858.

The Adventurers having given notice to determine the sett, under a power herein contained, an opportunity offers for a good company, under spirited management, to work this celebrated mine under a new sett; and arrangements may be nade in reference to taking the machinery at a valuation.

The mine is so well known, that it is almost needless to say that for many years it as been worked at a profit, and has made extraordinary returns to the adventurers, saving produced dividends, since the working in 1819, amounting to more than 450,000 (being about one-third of the value of the ores raised), mainly from one lode, The sett contains many parallel lodes, and there is contains many parallel lodes.

known as the Old Lode.

The set contains many parallel lodes, and there is every prospect, under a prudent and spirited management, of the adventure being a most profitable investment. For particulars and to treat for the sett, application should be made to REGINALD ROSKES, Truro, Cornwall.—Truro, Jan. 16, 1895.

GREAT CRINNIS MINE

REAT CRINNIS MINES.

A company is being formed to purchase these mines, for the purposes of working them effectually. It is thought that the mines can be obtained for about £4000, with the machinery and all the works as they stand. It is intended to form a company strictly under the Cost-book System, in 6000 shares, deposit £1 per share. This sum would pay for the mines, £4000, and a whine-engine (say) £1000; leaving £1000 to be applied to assist the labour cost for about three months. Then a call of 5s. per share is recommended, which would assist the cost for four months more. It is thought that the 100 fm. level might be extended to the line of the new run of ore ground discovered in the 80 fm. level in about six months. The 106 fm. level must be driven about 20 fathoms further east, and communicated with Union shaft; and the winze must be completed from the bottom of the 60 to the rise in back of the 80 fm. level might be extended to the line of the new run of ore ground discovered in the 80 fm. level as it has from the top of the rise in back of the 80 fm. level as the string of the first of the bottom of the 50 to the 100 fm. level as it has from the top of the rise in back of the 80 to the \$100 fm. level as it has from the top of the rise in the back of the 80 to the 50 to the 100 fm. level as it has from the top of the rise in the back of the 80 to the 50 to the 100 fm. level as it has from the top of the rise in the back of the 80 to the string of the first of the level of the 100 fm. level as it has from the top of the rise in the back of the 80 to the works are carried out with vigour it will soon prove a valuable mine.

The old company is in 40,000 shares; therefore, one share in the projected company would equal nearly seven in the old.

Appliestions for shares, in the annexed form, and further information, can be obtained from Mr. W. Chablessed.

GREAT CRINNIS MINES.—To the Provisional Committee.

GREAT CRINNIS MINES .- To the Provisional Committee

DURSUANT to TWO several ORDERS, or DECREES, made in the Causes of— PARMER AND OTHERS v. HODGE; and STEPHEMS AND ANOTHER v. SAME.

The CREDITORS in respect of NORTH WERF AND JULIA MINE, in the parish of St. Ive, within the said Stannaries, are, on or before the 3d day of February next, to COME IN and PROVE THERE DEBTS before the Registrar of the said Court, at his office in Traro, or in default thereof they will be peremptorily excluded the benefit of the said several Decrees. als office in Truro, or in default thereof they witefit of the said several Decrees.

Dated Registrar's Office, Truro, Jan. 20, 1838.

CARMARTHENSHIRE.
TECHON COLLIERY, NEAR BYNEA AND LOUGHER.
IMPORTANT TO COLLIERY PROPRIETORS, TRONFOUNDERS,
CONTRACTORS, BUILDERS, AND OTHERS.
EXTENSIVE SALE OF COLLIERY PLANT, THREE ENGINES, BOILERS and
PUMPS, about 40 tons of T and LL RAILS, with chairs, sleepers, switches, and
sidings, WEIGHING MACHINE, upwards of 20,000 FIRE-BRICKS, TRAMS,
SHEDS, BUILDING MATERIALS, 40.

MR. E. MORGAN DOUGLAS has received instructions from the proprietors to SELL, BY AUCTION, on Wednesday, the 27th of January, 558, at the above COLLIERY, the WHOLE of the valuable and extensive PLANT.

1835, at the above COLLIERY, the WHOLE of the valuable and extensive PLANT, comprising.

ENGINE No. 1, ONE HORIZONTAL ËNGINE, 12 in. cylinder, 24 in. stroke, winding and pumping apparatus, and large drum for winding.

The BOILERS comprise—No. 1, One egg-end 25 ft. holier, 3 ft. 8 in. diam.; No. 2, Outside 25 ft. heating tube, 15 in. diam.; No. 3, 14 ft. tubular boiler, 5 ft. diam., with safety-valve, feeding apparatus, and door-plates, complete; No. 4, do., 4 ft. 6 in. diam. The PUMPS comprise about 70 fms. of 7 ft, in., 12 ft in., and 14 in. pumps; lifting ditte; working-barrel, and two clack pieces; two 14 in. plunger-poles and cases, glands, and fore piece to match.

The RAILS consist of about 30 tons of underground rails, 40 tons of L L and Trails, with chairs, switchings, and crossings to match, also the sleepers included.

The other portion of the PLANT comprises plates for furnaces and door frames; jack pump for feeding boilers, with piping attached; two V-bobs, with carriages and brass bearings.

orass bearings.

The PIT FRAME, morticed and bolted together, on purpose for taking down, equal to new; lot of piatform plates, with and without flanges; staging and screens, with shoots for screening coal; lot of guide rods; two oradies for pit; self-acting fan for pit's mouth; two sheaves for flat rope, equal to new; iron apparates for tripping coal trams; hand capstan, with sheave and arms; about 2 tons of chains, of various of the pinces.

pit's mouth; two sheaves for flat rope, equal to new; iron apparatus for tripping coal trams; hand capstan, with sheave and arms; about 2 tons of chains, of various sises; air-pines, &c.

The BLACKSMITHS' SHOP contains bellows, anvil, vice, quantity of tools, lot of boring rods, spring hooks for sinking, several tons of wrought and cast-iron, lot of oid flat rope, lot of tram wheels.

The BUILDINGS and ERECTIONS comprise pit's head and roofing, flooring, blacksmith's shed, 50 ft. by 15 ft. The OPPICE and HOUSE comprise windows, doors and frames, flooring, roofing, wall and brick-work, upwards of 20,000 fire-bricks estimated in the two chinneys stacks.

WEIGHING MACHINE, for 4 ft. 8 in., gauge, with lever, weights, &c.

To be SOLD at the same time, at the BYNEA COLLIERY.

ENGINE No. 3. a LOW-PRESSURE ENGINE, 36 in. cylinder, 6 ft. stroke, all complete, earfully taken down, and ready for removal; the head gear and bright work in good condition.

The PUMFS at the above works comprise 14 9 ft. 14 in. pumps, 7 ditto 12½ in.; two pole-cases to march 14 in. pump; one 9 ft. working-barrel, 11 in.; one 14 in. shore piece; one 15½ in. ditto; one 8 in. ditto; one 4½ in. shaft, with centre piece for winding gear, 8 ft. long, with driving wheel statehed; two 2 ft. 10 in. round rope pulleys; quantity of old iron, &c.

Three wonths' oredit, acc rding to conditions of sale, will be given.

The whole of the above plant is in excellent condition; and most conveniently situated for removal, as it is close to the Bynes Station, on the Lianelly and Liandilo Raliway, the rails leading from the collieries to the raliway, and are about one mile from Loughey, and two from Lianelly, on the South Wales Raliway.

Catalogues are now preparing, which will give full details, and can be had four days previous to sale of the auctioner, at his offices, Market-street, Lianelly.

Market-street, Lianelly, Jan. 20, 1888.

2425 SHARES IN THE WILDBERG GREAT CONSOLIDATED MINING COMPANY.

R. MARSII has received instructions to SELL, BY AUCTION, at the Mart, opposite the Bank of England, on Thursday, the 4th February, at Twelve, by order of the Trustess, under the authority of the High Court of Chancery, in 163 Lots, 2435 SHARES, of £2 each, fully paid-up, in the WILDBERG GEEAT CONSOLIDATED MINING COMPANY.

This company is established under the Prussian law. The mines consist of silver, lead, and copper, and are situate at Wildberg, distant about nine German miles from Cologne, They are in active operation, producing from 120 to 150 tons of dressed silver-lead per month, with a certainty of immediate increase. The size of the company is at Cologne, with an agency and council of administration in London. The shares are of 13 thairs 10 silver groschen, Prussian money (or £2), each, fully p-idup, in certificates of 13 shares, and 3 shares each, to becare, without further liability. Particulars may be obtained at the Mart; at the London Agency of the company, 36, Cannon-street; of Messrs. Vallance and Vallance, solicitors, 20, Essex-street, Strand; of Jours Hanaus, Eaq., solicitors, 22, Argyll-street; and at Mr. Mansu's offices, Charlotte-row, Mansion House.

OUTH WALES.—Mr. ARTHUR O. DAVIES, of Dowlais, is authorised to TREAT for the SALE of TWO VERY VALUABLE GOING COLLIERIES in South Wales.

Also, TO LET, an EXTENSIVE TRACT of STEAM COAL, on a long lease, at a moderate royalty, with a railway running through the property.

For terms, apply as above.

IMPORTANT TO CAPITALISTS.—IRELAND

IMPORTANT TO CAPITALISTS.—IRELAND.

TO BE SOLD, BY PRIVATE CONTRACT, A VERY VALUABLE MINERAL PROPERTY ON CORK HARBOUR.—This comprises an all but inexhaustible supply of the PUREST WHITE SILEX now known in Great Britain or Ireland, and proved to be peculiarly adapted for the finest porcelain and flint glass; CLAYB in great abundance, for coarse carthenware, bricks, tiles, &c., also, about 20 acres of RICH BROWN HEMATITE IRON ORE, thickness of bed 6 ft. to 8 ft.; with some MANGANESE.

The situation, as regards the exportation of the produce and facilities of working, is, perhaps, unrivalled, and the concern is in good working order. No other part of Ireland can compete with this as a site for an extensive and varied manufacture of earthcnware, fint, and even crown glass articles, which, though of vast consumption, are yet still imported.

The brick and tile yard, already established, and capable of great expansion, willy ided a large and steady profit. The owner will either enter into partnership, or relivest a considerable sum in a company (limited), with sufficient capital to develope the great capabilities of those mines.

Mr. Jas, Derento, C.E., Rostellan, near Cork; or Mesers, Tuckey and Dunscomer, solicitors, 54, Grand Parade, Cork; may be applied to for further information.

TOR SALE, at the WATER-WORKS, Lewes-road, BRIGHTON:
A 20-horse power HIGH-PRESSURE TABLE ENGINE, with Cornish boiler,
23 ft. long, 4 ft. 6 in. diameter, and fittings, complete.
A 40-horse CORNISH DIRECT ACTING HIGH-PRESSURE ENGINE, working
a plunger pump at the bottom of a well 70 ft. desp.
A 90-horse DIRECT ACTING HIGH-PRESSURE PUMPING ENGINE, erected
in 1832 by the celebrated firm of Hawthorn and Co., Newcastle, complete, with
pumps, capable of raising 1200 gallons per minute to the height of 250 ft.
Also, a espital STAND FIPE, 50 ft. high, complete, with all connections.
The above are all in good working order, and are to be disposed of in consequence
of an entire alteration in the system of water supply. They can be seen on application at the Water Company's Office, Bond-street, Brighton; and full particulars can
be obtained of Mesers. EASTON and AMOS, Grove, Southwark, London, S.E.

WEW LODGE COLLIERY TO BE LET, situated near Pembrey, Carmarthenshire, consisting of several veins of BITUMINOUS COAL, but chiefly of a COLLIERY, opened and at work on a vein of about 3 feet thick. The new tenant would have to take to the plant at a valuation, which, with the colliery, would be delivered up in repair, in accordance with the covenants of the existing lease. There is a large copper works and floating harbour connected to the colliery by about one mile of tramroad; the South Wales Railway siding being also in connection with the same. The quality of the coal is suitable for smelting, for smithed and house purposes, as well as for steam-engines.

For further particulars, apply to Messrs. Whith, BROUGHTON, and WHITE, solicitors, 13, Great Marlborough-street, W., London; Mr. GEORGE GOODE, Carmarthen; Mr. W. P. STRUYE, C.E., Swanses.

PARISH OF STOKE-UPON-TRENT.—SURVEY AND VALUATION.—An order having been received from the Poor Law Roard for a NEW SURVEY and VALUATION of this parish, the Board of Guardians are ready to receive TENDERS from parties desirous of CONTRACTING for the same. The parish is parily mining, manufacturing, and sprigulural, It contains about 11,705... 2s. 21 r., and, according to the last census, there were about 11,224 houses, besides manufactories and mills, which number has been since considerably increased. There are maps or plans of the several townships within the parish; these, so far as related to the agricultural part, would be required to be altered, so as to show upon the new plans the various shierations which have been made in the various shieds, so that he new reference book might agree with the Nos. upon the plans.

The Guardians will receive tenders for the survey and valuation of the land, and also a separate tender for the builings and mining property.

The Guardians do not bind themselves to accept the lowest, or any tender. The party contracting will be required to enter into a bond with two sureties for the due and faithful performance of the contract. It is, therefore, requisite the party tendering should give the names of two respectable parties as sureties, together with references. Tenders, containing full and explicit terms, to be sent to the Clerk of the Guardians, on or before Ten o'clock in the morning of Wednesday, the 27th inst. By order, THOS. GRIFFIN. Clerk to Guardians.

Parish Office, Stoke-upon-Trent, Staffordshire, Jan. 6, 1835. DARISH OF STOKE-UPON-TRENT .- SURVEY AND

TO IRON MASTERS, ENGINEERS, AND FOUNDERS.—
THE HARRINGTON IRON COMPANY are now PREPARED to SUPPLY
MELTING and FORGE PIG-IRON, made from the rich HEMATITE IRON ORES
of CUMBERLAND.—Address, Harrington Iron Company, Cumberland.

ENGINEERS' TOOLS TO BE SOLD .- A LARGE STOCK of NGINESKS TOULS TO BE SOLD.—A LARGE STOCK of NEW and SECON-HAND SLIDE and SCREW-CUTTING LATHES, from 5 to 24 in, centres, and from 4 to 24 ft. long; PLANING MACHINES, self-acting in the vertical, angular, and horizontal outs, from 4 to 24 ft. long; SINGLE and DOUBLE GEARED DRILLING MACHINES; SHAPING MACHINES of the newest improvements; also, SCREWING, SLOTTING, SHEARING, and PUNCHING MACHINES, and all kinds of ENGINEERS TOOLS, either in stock, or made to order.—Tracings of the above will be sent, and the tools may be seen, on application to Messrs, Hamay Ashfords and Soms, Exchange-square, Lincolnesirest, Nottingham. de in the

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m.; No. 2, iam., with 6 in. diam. ps; lifting and cases, nd Trails,

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ORE STEAM, BETTER FIRES, AND LESS SMOKE.—
For Marine, Stationary, and Locomotive Boilers, Mr. LEE STEVENS'S
ATENT REGULATING AIR-DOORS are found to be the most effective invention
or increasing Steam, subverting Smoke, and promoting Ventilation and Draught;
ind, with his other appliances for Reverberstory, Pottery Kim, and Purnases of every
sculiarity of construction, constitute a series of improvements for generating heat,
concomising fuel and preventing smoke, which accomplish all practical requirements.
Testimonials, terms, &c., obtained at 1, FISH STREEF HILL, CITY, LONDON,
L.C.; where information is also given of his improved PATENT GRATES, in which
he fires can be kindled at the top or the bottom, so as to produce either show or
large combustion, with less smoke than in any other open fire-places.

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The PENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY BOOK
PASSENGERS and RECEIVE GOODS and PARCELS for the MEDITERRANEAN,
EGYPT, ADEN, CEYLON, MADRAS, CALCUTTA, the STRAITS, CHINA, and
MANILA, by their steamers leaving Southampton on the 4th and 20th of every
month; and for the MEDITERRANEAN, EGYPT, ADEN, and BOMBAY, by their
packets leaving Southampton about the 11th and 27th of the month.
For further particulars, apply at the company's offices, No. 122, Leadenhall-street;
and at Oriental-place, Southampton.

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Appointed to Sail from LiVERPOOL on the 5th and 12th of each Month, FOR MELBOURNE,

Forwarding Passengers by Steam to various Ports in AUSTRALIA AND TASMANIA.

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The above line is composed of the LARGEST, the FINEST, and PASTEST MERCHANT SHIPS in the WORLD, and have been built by the most celebrated builders of the day, including M'Kay, of Boston. They are commanded by men who have already rendered themselves famous, and their equipments and accommodations are unequalled by any line of ships aflost.

The Black Ball Line has had the distinguished honour of a visit from Her Majesty the Queen, who was most graciously pleased to say that she had no idea there were such magnificent ships in her merchant navy.

Freight and passage, apply to the owners, JARES BAINES and Co., Liverpool; or to T. M. MacKay and Co., 2, Moorgate-street, London, E.C.

PUMPING AND WINDING ENGINES.—FOR SALE, are excellent 30 in. PUMPING ENGINE, 10 ft. stroke, two boilers 10 ions each in perfect condition, nearly new, with fire-proof house. A 24 in. WHIM HORI. ZONTAL ENGINE, with 10 tons boiler, nearly new, in excellent condition, and drawing machine stracked. As these engines are very superior in make and condition, parties requiring engine will do well to examine them.—Apply to Mr. C. Wascown, 21, Southernhay, Exeter.

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JAMES BURNETT solicits from all interceted full particulars of good and useful machinery for next month's Circular. No charge is made for insertion or otherwise, nailess a sale is effected through his agency.

The Circular free of charge, on application as above.

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TO ENGINEERS, SHIP-BUILDERS, AND OTHERS INTERESTED IN SHEET-IRON STRUCTURES.

BERTRAM'S PATENT WELDING PROCESS.—
This SHMPLE and EFFICIENT PROCESS for UNITING WROUGHT-IRON FLATES in the construction of Marine, Locomotive, and Land Boilers, Ships, Boats, Caissons, Tanks, Pans, Bridge Beams, Girders, and Shect-Iron Structures generally, by WELDING instead of RIVETING, combines, with great ECONOMY of LABOUK and MATERIAL, the certainty of greatly INCREASED STRENGTH, PERMANENT SOUNDINESS, and FREEDOM FROM LEAKAGE.
This invention having been most satisfactorily tested, the patentee is prepared to GRANT LICENSES for the USE of his PROCESS; and invites the inspection of a HIGH-PRESSURE TUBULAR BOILER, which has been constructed under his immediate direction, and may be seen at the works of the Victoria Founday Company, engineers and ship-builders, Greenwich.

Applications for licenses, and particulars of works required, may be obtained at the office, 13, Buckingham-street, Adelphi, W.C., where samples of the welding may be seen. The welding furnaces will be supplied by the patentee's agent.

patent will be supplied by the patenter's agent. The welding may be seen. The welding furnaces will be supplied by the patenter's agent.

DATENT WIRE ROPES, ONE-HALF THE COST OF HEMP ROPES.
HENRY J. MORTON AND CO.'S (3, BASINGHALL BUILDINGS, LEEDS)
PATENT WIRE ROPES, for the use of MINES, COLLIERIES, RAHLWAYS, &c.; one-half the weight of chains, and one-half the cost—in all deep mines these advantages are self-evident.

References to most of the principal colliery ow were in the kingdom.

GALVANISED SIGNAL CORDS AND KNOCKER LINES;
will not rust or corrode, and not affected by the copper water in mines. Very strong, and not at all liable to break. Prices from 15s, per 100 yards.

PATENT ASPHALTED ROOPING PELTS, id. per foot, DRY HAIR BOILER FELTS, saving 25 per cent. of fuel.
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FAIRBANK'S WEIGHING MACHINES, of all sizes,
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PATENT HEXIBLE STEAM FACKING, is, 3d, per 1b.
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HENRY J. MORTON AND CO.,
GALVANISED IRONWORKS, 2, BASINGHALL BUILDINGS, LEEDS, begt to call attention to their
IMPROVED SIGNAL BELLS,
especially prepared to meet the requirements of the new Act for the Inspection of Coal Mines. It has met with the decided approval of many large coiliery owners and managers. SIMPLE, EFFECIENT, and CHEAP. Frice 15s., 17s. 6d., and 20s. cacb.
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The most ACCURATE MACHINES in use, and the cheapest.

MACHINES of all vizes, from I cwt. to 30 tons, for Bailway Wagons, Carts, or Wagons.

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With power to raise capital to the extent of £100,000.

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These wines, the produce of a British colony which has oscaped the vine disease (the vintage occurring in February may account for the same), are, in consequence, whole some, and are warranted free from acidity and brandy, and are admitted by Hen Majests, and Company, and the control of the same and the

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BROAD AND NABROW GAUGE COAL AND IRONSTONE WAGONS,
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For LICENSES to USE the above process, apply to Rosent London, Jun., 63, King-street, Manchester.
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SHEET ZINC, out of the best selected SILESIAN SPELTER, refined and rolled at these mills, CONSTANTLY ON HAND, of all usual gauges, or rolled to order any practicable length, width, or thickness, to suit purchasers, on moderate terms. Also, TELEGIAS PHEATHING FOR VESSELS, &c. OLD ZINC and SHEATHING PURCHASED. SILESIAN SPELTER ON SALE.—Apply to the Manager, at the Mills; or at the office, 8, Harrington-streat, Liverpool.

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HOMOGENEOUS BOILER-PLATE METAL, combining the strength and durabiity of steel with the malleability of copper; warranted to best double the pressure
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Application to be made to Seoararbos, Howell, and Jassor, Hartford Steel Works,
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ONDIE'S PATENT STEAM HAMMERS.—
FIRST-CLASS STEAM HAMMERS, from 10 cwts. to 7 tons, suitable for job
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MESSRS, R. & J. COUPE, ENGINEERS and IRONFOUNDERS, MANUFACTURERS of HORIZONTAL HIGH-PRESSURE STEAM-ENGINES, from 10 to 200-horse power; the larger description of engines mounted with their inproval acquiring supposed supposed to winding and other engines.

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STEAM PUMPS, FOR LAND AND MARINE PURPOSES SINGLE or DOUBLE ACTING; sizes from 2½ to 12 in. diameter, and from 4 to 18 in. stroke; by JOHN CAMERON. Used for feeding bollers, raising water (for reservoirs, tanks, irrigation, &c.), turning power, or as a steam fire engine. Works, Egerton-strest, Hulme, Manchester.

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TURBINES OR HORIZONTAL WATER-WHEELS,—
MAC ADAM, BROTHERS, AND CO., ENGINEERS, SOHO FOUNDRY,
BELFAST, propose to SUPPLY and ERECT these WHEELS on any height of fall,
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They give a much higher percentage of power than the best vertical water-wheels,
are cheaply connected to other machinery, and on low falls are not affected by floods
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PREVENT ACCIDENTS by WINDING OVER the HEAD GEAR, USE the PATENT SELF-ACTING STEAM BREAK, which at every lift from the mine shuts off the steam from the winding engine and applies the break also records the number of litts made.—For illustrated circular and p.ice, apply to HETH OODEN, engineer, St. Mary's, Manchester.

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AFETY FUSE.—Measrs. WILLIAM BRUNTON and CO., PEN-HALLICK, near REDRUTH, CORNWALL, MANUFACTURERS OF FUSE, of every size and length, as exhibited in the Great Exhibition of 1851, and supplied to the Royal Areanal at Woodwich, the Arctic Expedition, and every part of the globe. Messrs. BRUNTON and CO. are at all times PREPARED to EXECUTE UNLIMITED ORDERS for SUPPLYING FUSE direct from their own MANUFACTORY, upon warrant that it will prove equal to, if not better, than any to be procured elsewhere.

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MPROVED PATENT ROUND AND FLAT WIRE ROPE FOR MINING, RAILWAY, AND GENERAL PURPONES.

A complete stock of every description kept at the Liverpool depôt, 6, Wapping.

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ISAAO NATIAS, Dibdale, near Dudley.

J. WADDINOTON, 109, Miligate, Wigan.

TROMAS REID, 33, Quayside, Newcastic-upon-Tyne.

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Mr. B. V. TUSON, F.C.S., F.S.A. (late Demonstrator of Chemistry at St. Bartholomew's Hospital), may be CONSULTED on all SUBJECTS involving CHEMICAL
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AGRICULTURAL, COMMERCIAL, and other ANALYSES.
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